

Maricopa County Health Status Report 2005



Reference Tables



Prepared by the Maricopa County Department of Public Health
Office of Epidemiology and Data Services
April 2007

Maricopa County

Acknowledgements

This report was prepared by the Maricopa County Department of Public Health, Office of Epidemiology and Data Services.

Alana Shacter, Epidemiologist
Liva Nohre, Sr. Epidemiologist
Sarah Santana, Director

The authors wish to thank the following individuals and organizations for contributing numeric data, consultation, and other information used in this report.
Their assistance is much appreciated.

Mare Schumacher, Alisa Diggs, Vjollca Berisha, Natalie Fuller – Office of Epidemiology and Data Services
Tom Mickey, Deborah Ramon – Maricopa County Department of Public Health, Division of Clinical Services
Kristina Schaller – Arizona Department of Health Services
S. Robert Bailey – Arizona Department of Health Services
Christopher Mrela – Arizona Department of Health Services

For additional copies of this report, please call the Maricopa County Department of Public Health, Office of Epidemiology and Data Services at 602.372.2604. This report may also be found at http://www.maricopa.gov/public_health/epi/ under “Health Statistics and Reports.”

Maricopa County Health Status Report 2005

Reference Tables

Table of Contents

	Introduction	i
I.	Maricopa County 2005 Population Statistics	1
Table 1.01	Population Estimates by Age, Gender, and Race/Ethnicity, 2005	2
Table 1.02	Population by Race/Ethnicity, Age, and Gender, 2005	3
II.	Maricopa County 2005 Mortality (Death) Statistics	4
Table 2.01a	Number of Deaths by Age Group and Race/Ethnicity	5
Table 2.01b	Death Rates by Age group and Race/Ethnicity, Crude Death Rate per 100,000 Residents	5
Table 2.02a	Number of Deaths by Age Group and Gender	6
Table 2.02b	Death Rates by Age Group and Gender, Crude Death Rate per 100,000 Residents	6
Table 2.03a	Selected Underlying Causes of Death by Race/Ethnicity, Number of Cases	7
Table 2.03b	Selected Underlying Causes of Death by Race/Ethnicity, Crude Death Rate per 100,000 Residents	8
Table 2.04a	Selected Underlying Causes of Death by Age Group, Number of Cases	9
Table 2.04b	Selected Underlying Causes of Death by Age Group, Crude Death Rate per 100,000 Residents	11
Table 2.05a	Selected Underlying Causes of Death by Gender, Number of Cases	13
Table 2.05b	Selected Underlying Causes of Death by Gender, Crude Death Rate per 100,000 Residents	14
Table 2.06a	Firearm Related and Drug and Alcohol Induced and Related Deaths by Age Group, Number of Cases	15
Table 2.06b	Firearm Related and Drug and Alcohol Induced and Related Deaths by Age Group, Crude Death Rate per 100,000 Residents	15
Table 2.07a	Firearm Related and Drug and Alcohol Induced and Related Deaths by Race/Ethnicity, Number of Cases	16
Table 2.07b	Firearm Related and Drug and Alcohol Induced and Related Deaths by Race/Ethnicity, Crude Death Rate per 100,000 Residents	16
Table 2.08a	Firearm Related and Drug and Alcohol Induced and Related Deaths by Gender, Number of Cases	16
Table 2.08b	Firearm Related and Drug and Alcohol Induced and Related Deaths by Gender, Crude Death Rate per 100,000 Residents	16
Table 2.09	Heat Induced Deaths by Age, Race/Ethnicity, and Gender	17
Table 2.10	Number of Deaths by Race/Ethnicity and Marital Status	18
Table 2.11	Number of Deaths by Race/Ethnicity and Education Level	18
Table 2.12	Number of Deaths by Race/Ethnicity and Gender	18
Table 2.13	Crude and Age-Adjusted Rates for Selected Underlying Causes of Death by Race/Ethnicity	19
Table 2.14	Death Rate Comparisons to Arizona, U.S., and Healthy People 2010 Goals for Selected Underlying Causes of Death	20
III.	Maricopa County 2005 Communicable Disease Statistics	21
Table 3.01a	Number of Cases of Selected Reportable Disease by Race/Ethnicity	22
Table 3.01b	Case Rates per 100,000 Residents for Selected Reportable Diseases by Race/Ethnicity	23

Maricopa County Health Status Report 2005

Reference Tables

Table of Contents

Table 3.02a	Number of Cases of Selected Reportable Diseases by Age Group	24
Table 3.02b	Case Rates per 100,000 Residents for Selected Reportable Diseases by Age Group	25
Table 3.03a	Number of Cases of Selected Reportable Diseases by Gender	26
Table 3.03b	Case Rates per 100,000 Residents for Selected Reportable Diseases by Gender	27
Table 3.04	Case Rate Comparisons to Arizona, U.S., and Healthy People 2010 Goals for Selected Diseases	28
IV.	Maricopa County 2005 Natality (Birth) Statistics	29
Table 4.01	Number and Percent of Births by Age and Race/Ethnicity of Mother	30
Table 4.02	Number and Percent of Births by Marital Status and Race/Ethnicity of Mother	30
Table 4.03	Number and Percent of Births by Educational Level and Race/Ethnicity of Mother	30
Table 4.04	Trimester of First Prenatal Care by Race Ethnicity of Mother	31
Table 4.05	Number and Percent of Prenatal Care Visits by Race/Ethnicity of Mother	31
Table 4.06	Adequacy of Prenatal Care by Race/Ethnicity of Mother, Singleton Births Only	31
Table 4.07	Birthweight of Infant by Race/Ethnicity of Mother	32
Table 4.08	Preterm (Less than 37 Weeks Gestation) by Race/Ethnicity of Mother	32
Table 4.09	Number and Percent of Births by Marital Status and Age Group of Mother	33
Table 4.10	Number and Percent of Births by Educational Level and Age Group of Mother	33
Table 4.11	Trimester of First Prenatal Care by Age Group of Mother	33
Table 4.12	Number and Percent of Prenatal Care Visits by Age Group of Mother	34
Table 4.13	Adequacy of Prenatal Care by Age Group of Mother, Singleton Births Only	34
Table 4.14	Birthweight of Infant by Age Group of Mother	35
Table 4.15	Preterm Births (Less Than 37 Weeks Gestation) by Age Group of Mother	35
Table 4.16	Comparisons to Arizona, U.S., and Healthy People 2010 Goals for Selected Natality Measures	36
V.	Technical Notes	37

Introduction

This report provides health status information for the year 2005 for residents of Maricopa County, Arizona. It includes data for morbidity (death), communicable diseases, and natality (birth), as well as information on the size and demographic distribution of the population.

For each disease or health indicator, the following information is provided:

- Number of cases in the county
 - Communicable Disease Example: 248 residents of Maricopa County were diagnosed with confirmed cases of Pertussis (whooping cough) in 2005.
 - Natality (Birth) Example: There were 735 infants born with a very low birthweight (less than 1500 grams) in 2005.
- Rate or percentage of cases in the county
 - Communicable Disease Example: For every 100,000 residents of Maricopa County, 6.8 were diagnosed with Pertussis in 2005.
 - Natality (Birth) Example: Among all live births in 2005, 1.2% were born with a very low birthweight.

All data in this report are for calendar year 2005.

Information on data sources and methodology are in Section V – Technical Notes.

I. Maricopa County 2005 Population Statistics

Maricopa County 2005 Population Statistics

Table 1.01 Population Estimates by Age, Gender, and Race/Ethnicity, 2005

Age by Gender

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	152,710	8.3%	145,799	8.1%	298,509	8.2%
5-9	140,989	7.7%	134,593	7.5%	275,582	7.6%
10-14	137,993	7.5%	131,618	7.3%	269,611	7.4%
15-19	126,840	6.9%	119,571	6.6%	246,411	6.8%
20-24	131,497	7.2%	119,884	6.6%	251,381	6.9%
25-34	300,213	16.4%	268,547	14.9%	568,760	15.6%
35-44	275,712	15.1%	256,567	14.2%	532,279	14.6%
45-54	226,478	12.4%	227,304	12.6%	453,782	12.5%
55-64	160,921	8.8%	175,239	9.7%	336,160	9.2%
65-74	101,918	5.6%	113,700	6.3%	215,618	5.9%
75-84	56,915	3.1%	78,929	4.4%	135,844	3.7%
85+	17,194	0.9%	34,397	1.9%	51,591	1.4%
Total	1,829,380		1,806,148		3,635,528	

Race/Ethnicity by Gender

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,101,359	60.2%	1,134,143	62.8%
Hispanic	548,435	30.0%	489,079	27.1%
African American	70,884	3.9%	68,420	3.8%
Amer. Ind., Non-Hisp.	28,969	1.6%	31,364	1.7%
Amer. Ind., Hisp.	9,297	0.5%	8,762	0.5%
Asian	46,640	2.5%	50,445	2.8%
Other/2+ Races	23,796	1.3%	23,935	1.3%
Total	1,829,380		1,806,148	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian Non-Hispanic		Hispanic		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	131,778	5.9%	132,852	12.8%	10,321	7.4%	7,702	12.8%	1,235	6.8%	6,910	7.1%	7,711	16.2%	298,509
5-9	130,089	5.8%	112,754	10.9%	11,433	8.2%	5,227	8.7%	2,285	12.7%	6,199	6.4%	7,595	15.9%	275,582
10-14	136,508	6.1%	100,756	9.7%	12,704	9.1%	5,462	9.1%	2,200	12.2%	5,923	6.1%	6,058	12.7%	269,611
15-19	133,341	6.0%	83,900	8.1%	11,975	8.6%	5,309	8.8%	1,981	11.0%	5,195	5.4%	4,710	9.9%	246,411
20-24	131,247	5.9%	92,298	8.9%	11,012	7.9%	5,086	8.4%	1,753	9.7%	6,167	6.4%	3,818	8.0%	251,381
25-34	290,373	13.0%	213,958	20.6%	22,668	16.3%	11,247	18.6%	3,188	17.7%	21,101	21.7%	6,225	13.0%	568,760
35-44	331,764	14.8%	143,866	13.9%	22,511	16.2%	8,746	14.5%	2,606	14.4%	18,298	18.8%	4,488	9.4%	532,279
45-54	329,962	14.8%	82,665	8.0%	17,780	12.8%	5,820	9.6%	1,566	8.7%	12,633	13.0%	3,356	7.0%	453,782
55-64	270,160	12.1%	42,270	4.1%	9,987	7.2%	3,283	5.4%	746	4.1%	7,698	7.9%	2,016	4.2%	336,160
65-74	181,728	8.1%	20,562	2.0%	5,681	4.1%	1,542	2.6%	364	2.0%	4,667	4.8%	1,074	2.3%	215,618
75-84	121,413	5.4%	8,918	0.9%	2,407	1.7%	684	1.1%	129	0.7%	1,784	1.8%	509	1.1%	135,844
85+	47,139	2.1%	2,715	0.3%	825	0.6%	225	0.4%	6	0.0%	510	0.5%	171	0.4%	51,591
Total	2,235,502		1,037,514		139,304		60,333		18,059		97,085		47,731		3,635,528

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2005.

Maricopa County 2005 Population Statistics

Table 1.02 Population by Race/Ethnicity, Age, and Gender, 2005

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	Non-Hispanic		Hispanic										
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	64,220	5.7%	64,818	13.3%	4,995	7.3%	3,935	12.5%	648	7.4%	3,459	6.9%	145,799
5-9	63,394	5.6%	55,087	11.3%	5,586	8.2%	2,549	8.1%	1,134	12.9%	3,100	6.1%	134,593
10-14	66,469	5.9%	49,255	10.1%	6,234	9.1%	2,734	8.7%	1,093	12.5%	2,882	5.7%	131,618
15-19	64,780	5.7%	40,456	8.3%	5,797	8.5%	2,643	8.4%	1,038	11.8%	2,493	4.9%	119,571
20-24	64,784	5.7%	41,109	8.4%	5,446	8.0%	2,667	8.5%	869	9.9%	3,060	6.1%	119,884
25-29	68,897	6.1%	49,001	10.0%	5,227	7.6%	3,049	9.7%	730	8.3%	4,654	9.2%	133,253
30-34	73,703	6.5%	45,175	9.2%	5,434	7.9%	2,764	8.8%	723	8.3%	6,001	11.9%	135,294
35-39	76,194	6.7%	36,145	7.4%	5,374	7.9%	2,222	7.1%	604	6.9%	5,059	10.0%	126,791
40-44	86,682	7.6%	29,283	6.0%	5,479	8.0%	2,289	7.3%	559	6.4%	4,403	8.7%	129,776
45-49	86,562	7.6%	22,832	4.7%	4,795	7.0%	1,805	5.8%	459	5.2%	3,698	7.3%	121,093
50-54	79,911	7.0%	16,665	3.4%	3,915	5.7%	1,453	4.6%	271	3.1%	3,233	6.4%	106,211
55-59	77,155	6.8%	12,608	2.6%	2,851	4.2%	1,103	3.5%	198	2.3%	2,607	5.2%	97,158
60-64	64,003	5.6%	8,708	1.8%	2,219	3.2%	729	2.3%	159	1.8%	1,828	3.6%	78,081
65-69	51,178	4.5%	6,275	1.3%	1,780	2.6%	541	1.7%	119	1.4%	1,499	3.0%	61,696
70-74	44,314	3.9%	4,679	1.0%	1,252	1.8%	340	1.1%	73	0.8%	1,097	2.2%	52,004
75+	101,897	9.0%	6,983	1.4%	2,036	3.0%	541	1.7%	85	1.0%	1,372	2.7%	113,326
Total	1,134,143		489,079		68,420		31,364		8,762		50,445		1,806,148
Males													
0-4	67,558	6.1%	68,034	12.4%	5,326	7.5%	3,767	13.0%	587	6.3%	3,451	7.4%	152,710
5-9	66,695	6.1%	57,667	10.5%	5,847	8.2%	2,678	9.2%	1,151	12.4%	3,099	6.6%	140,989
10-14	70,039	6.4%	51,501	9.4%	6,470	9.1%	2,728	9.4%	1,107	11.9%	3,041	6.5%	137,993
15-19	68,561	6.2%	43,444	7.9%	6,178	8.7%	2,666	9.2%	943	10.1%	2,702	5.8%	126,840
20-24	66,463	6.0%	51,189	9.3%	5,566	7.9%	2,419	8.4%	884	9.5%	3,107	6.7%	131,497
25-29	70,574	6.4%	64,137	11.7%	6,078	8.6%	2,851	9.8%	969	10.4%	4,750	10.2%	151,024
30-34	77,199	7.0%	55,645	10.1%	5,929	8.4%	2,583	8.9%	766	8.2%	5,696	12.2%	149,189
35-39	81,006	7.4%	43,966	8.0%	5,634	7.9%	2,213	7.6%	757	8.1%	4,843	10.4%	139,582
40-44	87,882	8.0%	34,472	6.3%	6,024	8.5%	2,022	7.0%	686	7.4%	3,993	8.6%	136,130
45-49	86,966	7.9%	25,334	4.6%	5,182	7.3%	1,450	5.0%	494	5.3%	3,200	6.9%	123,564
50-54	76,523	6.9%	17,834	3.3%	3,888	5.5%	1,112	3.8%	342	3.7%	2,502	5.4%	102,914
55-59	71,697	6.5%	12,681	2.3%	2,981	4.2%	928	3.2%	232	2.5%	1,901	4.1%	90,961
60-64	57,305	5.2%	8,273	1.5%	1,936	2.7%	523	1.8%	157	1.7%	1,362	2.9%	69,960
65-69	46,265	4.2%	5,734	1.0%	1,562	2.2%	406	1.4%	83	0.9%	1,234	2.6%	55,582
70-74	39,971	3.6%	3,874	0.7%	1,087	1.5%	255	0.9%	89	1.0%	837	1.8%	46,336
75+	66,655	6.1%	4,650	0.8%	1,196	1.7%	368	1.3%	50	0.5%	922	2.0%	74,109
Total	1,101,359		548,435		70,884		28,969		9,297		46,640		1,829,380

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2005.

II. Maricopa County 2005 Mortality (Death) Statistics

Maricopa County 2005 Mortality (Death) Statistics

Table 2.01a Number of Deaths by Age Group and Race/Ethnicity

Age Group	Race/Ethnicity							Total
	White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/ Unknown	
<1	142	182	27	10	7	13	1	382
1-4	27	35	8	2	2	0	1	75
5-9	25	21	3	1	2	2	0	54
10-14	20	19	1	2	0	0	0	42
15-19	95	92	9	4	1	2	0	203
20-24	131	126	10	6	5	3	2	283
25-34	270	228	49	23	4	5	2	581
35-44	588	215	72	42	6	11	3	937
45-54	1,334	293	129	56	8	21	7	1,848
55-64	2,120	321	128	47	6	39	9	2,670
65-74	3,370	380	148	51	4	40	3	3,996
75-84	6,154	475	156	31	1	64	3	6,884
85+	6,497	267	100	15	0	49	2	6,930
Unknown	6	3	0	0	0	0	3	12
Total	20,779	2,657	840	290	46	249	36	24,897

Table 2.01b Death Rates by Age Group and Race/Ethnicity
Crude Death Rate per 100,000 Residents

Age Group	Race/Ethnicity							Total
	White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/ Unknown	
0-4	128.2	163.3	339.1	155.8	728.7	188.1	-	153.1
5-9	19.2	18.6	26.2	19.1	87.5	32.3	-	19.6
10-14	14.7	18.9	7.9	36.6	0.0	0.0	-	15.6
15-19	71.2	109.7	75.2	75.3	50.5	38.5	-	82.4
20-24	99.8	136.5	90.8	118.0	285.2	48.6	-	112.6
25-34	93.0	106.6	216.2	204.5	125.5	23.7	-	102.2
35-44	177.2	149.4	319.8	480.2	230.2	60.1	-	176.0
45-54	404.3	354.4	725.5	962.2	510.9	166.2	-	407.2
55-64	784.7	759.4	1,281.7	1,431.6	804.3	506.6	-	794.3
65-74	1,854.4	1,848.1	2,605.2	3,307.4	1,098.9	857.1	-	1,853.3
75-84	5,068.6	5,326.3	6,481.1	4,532.2	775.2	3,587.4	-	5,067.6
85+	13,782.6	9,834.3	12,121.2	6,666.7	0.0	9,607.8	-	13,432.6
Unknown	-	-	-	-	-	-	-	-
Total	929.5	256.1	603.0	480.7	254.7	256.5	-	684.8

Maricopa County 2005 Mortality (Death) Statistics

Table 2.02a Number of Deaths by Age Group and Gender

Age Group	Gender		Total
	Male	Female	
<1	214	168	382
1-4	53	22	75
5-9	25	29	54
10-14	29	13	42
15-19	155	48	203
20-24	237	46	283
25-34	450	131	581
35-44	632	305	937
45-54	1,175	673	1,848
55-64	1,570	1,100	2,670
65-74	2,234	1,762	3,996
75-84	3,397	3,487	6,884
85+	2,563	4,367	6,930
Unknown	9	3	12
Total	12,743	12,154	24,897

Table 2.02b Death Rates by Age Group and Gender
Crude Death Rate per 100,000 Residents

Age Group	Gender		Total
	Male	Female	
0-4	174.8	130.3	153.1
5-9	17.7	21.5	19.6
10-14	21.0	9.9	15.6
15-19	122.2	40.1	82.4
20-24	180.2	38.4	112.6
25-34	149.9	48.8	102.2
35-44	229.2	118.9	176.0
45-54	518.8	296.1	407.2
55-64	975.6	627.7	794.3
65-74	2,192.0	1,549.7	1,853.3
75-84	5,968.5	4,417.9	5,067.6
85+	14,906.4	12,695.9	13,432.6
Unknown	-	-	-
Total	696.6	672.9	684.8

Maricopa County 2005 Mortality (Death) Statistics

**Table 2.03a Selected Underlying Causes of Death by Race/Ethnicity
Number of Cases**

Cause		Race/Ethnicity							Total	
		White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/ Unknown		
Infectious Diseases	Tuberculosis	4	1	0	0	0	1	0	6	
	Syphilis	0	0	0	0	0	0	0	0	
	HIV	55	22	13	1	0	1	1	93	
Cancer	Stomach	79	16	11	0	0	4	0	110	
	Colon	445	42	18	3	2	4	0	514	
	Pancreas	269	34	12	1	0	3	0	319	
	Lung	1,244	56	35	5	1	10	1	1,352	
	Breast	300	30	14	6	0	6	0	356	
	Uterine & Ovarian	200	29	10	2	0	6	0	247	
	Prostate	262	21	6	2	0	2	0	293	
	Urinary	249	22	4	0	0	1	0	276	
	Lymphoma	189	22	7	2	0	0	0	220	
	Leukemia	185	17	2	1	0	2	0	207	
	Other	1,100	114	37	14	1	16	1	1,283	
	All Cancer	4,522	403	156	36	4	54	2	5,177	
	Diabetes and Alzheimer's	Diabetes	434	92	39	21	0	9	2	597
Alzheimer's		1,138	68	28	3	0	9	0	1,246	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	285	33	18	3	0	5	1	345
		Ischemic Heart Disease	4,291	335	140	37	4	37	5	4,849
		Other Heart Disease	702	67	27	7	3	10	1	817
		All Heart Disease	5,278	435	185	47	7	52	7	6,011
	Other Cardio-vascular	Primary Hypertension	213	39	9	2	0	1	0	264
		Cerebrovascular	1,084	98	54	9	1	24	0	1,270
		Atherosclerosis	159	10	2	0	0	0	0	171
		Other Circulatory	172	21	4	0	0	3	0	200
		All Other Cardiovascular	1,628	168	69	11	1	28	0	1,905
Other Respiratory Diseases	Influenza & Pneumonia	606	74	18	11	0	5	1	715	
	Chronic Lower Respiratory	1,386	71	32	8	0	6	3	1,506	
GI & Urinary	Peptic Ulcer	33	5	3	0	1	0	1	43	
	Liver Disease	269	58	14	29	2	3	2	377	
	Nephritis	164	35	9	2	0	2	0	212	
Pregnancy & Early Life	Pregnancy	2	4	0	0	0	0	0	6	
	Perinatal Conditions	67	96	8	2	1	6	1	181	
	Congenital Malformations	60	51	3	3	2	4	0	123	
	SIDS	2	7	2	0	1	2	0	14	
Other Diseases	Symptoms, Signs	442	45	11	4	2	3	4	511	
	Other Diseases	2,977	370	126	58	5	35	3	3,574	
External Causes	Motor Vehicle Collisions	335	187	26	24	4	9	2	587	
	All Other Accidents	846	174	45	14	6	9	4	1,098	
	Suicide	384	80	6	5	4	7	0	486	
	Homicide	84	195	40	4	5	2	1	331	
	Other External Causes	62	13	7	6	1	2	1	92	
	All External Causes	1,711	649	124	53	20	29	8	2,594	
Unknown		1	3	0	1	0	0	1	6	
Total		20,779	2,657	840	290	46	249	36	24,897	

Maricopa County 2005 Mortality (Death) Statistics

Table 2.03b Selected Underlying Causes of Death by Race/Ethnicity
Crude Death Rate per 100,000 Residents

Cause		Race/Ethnicity							Total	
		White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/ Unknown		
Infectious Diseases	Tuberculosis	0.2	0.1	0	0	0	1.0	-	0.2	
	Syphilis	0	0	0	0	0	0	-	0	
	HIV	2.5	2.1	9.3	1.7	0	1.0	-	2.6	
Cancer	Stomach	3.5	1.5	7.9	0	0	4.1	-	3.0	
	Colon	19.9	4.0	12.9	5.0	11.1	4.1	-	14.1	
	Pancreas	12.0	3.3	8.6	1.7	0	3.1	-	8.8	
	Lung	55.6	5.4	25.1	8.3	5.5	10.3	-	37.2	
	Breast	13.4	2.9	10.0	9.9	0	6.2	-	9.8	
	Uterine & Ovarian ¹	17.6	5.9	14.6	6.4	0	11.9	-	13.7	
	Prostate ¹	23.8	3.8	8.5	6.9	0	4.3	-	16.0	
	Urinary	11.1	2.1	2.9	0	0	1.0	-	7.6	
	Lymphoma	8.5	2.1	5.0	3.3	0	0	-	6.1	
	Leukemia	8.3	1.6	1.4	1.7	0	2.1	-	5.7	
	Other	49.2	11.0	26.6	23.2	5.5	16.5	-	35.3	
	All Cancer	202.3	38.8	112.0	59.7	22.1	55.6	-	142.4	
	Diabetes and Alzheimer's	Diabetes	19.4	8.9	28.0	34.8	0	9.3	-	16.4
Alzheimer's		50.9	6.6	20.1	5.0	0	9.3	-	34.3	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	12.7	3.2	12.9	5.0	0	5.2	-	9.5
		Ischemic Heart Disease	191.9	32.3	100.5	61.3	22.1	38.1	-	133.4
		Other Heart Disease	31.4	6.5	19.4	11.6	16.6	10.3	-	22.5
		All Heart Disease	236.1	41.9	132.8	77.9	38.8	53.6	-	165.3
	Other Cardio-vascular	Primary Hypertension	9.5	3.8	6.5	3.3	0	1.0	-	7.3
		Cerebrovascular	48.5	9.4	38.8	14.9	5.5	24.7	-	34.9
		Atherosclerosis	7.1	1.0	1.4	0	0	0	-	4.7
		Other Circulatory	7.7	2.0	2.9	0	0	3.1	-	5.5
		All Other Cardiovascular	72.8	16.2	49.5	18.2	5.5	28.8	-	52.4
Other Respiratory Diseases	Influenza & Pneumonia	27.1	7.1	12.9	18.2	0.0	5.2	-	19.7	
	Chronic Lower Respiratory	62.0	6.8	23.0	13.3	0.0	6.2	-	41.4	
GI & Urinary	Peptic Ulcer	1.5	0.5	2.2	0	5.5	0	-	1.2	
	Liver Disease	12.0	5.6	10.0	48.1	11.1	3.1	-	10.4	
	Nephritis	7.3	3.4	6.5	3.3	0	2.1	-	5.8	
Pregnancy & Early Life	Pregnancy	0.1	0.4	0	0	0	0	-	0.2	
	Perinatal Conditions	3.0	9.3	5.7	3.3	5.5	6.2	-	5.0	
	Congenital Malformations	2.7	4.9	2.2	5.0	11.1	4.1	-	3.4	
	SIDS	0.1	0.7	1.4	0	5.5	2.1	-	0.4	
Other Diseases	Symptoms, Signs	19.8	4.3	7.9	6.6	11.1	3.1	-	14.1	
	Other Diseases	133.2	35.7	90.4	96.1	27.7	36.1	-	98.3	
External Causes	Motor Vehicle Collisions	15.0	18.0	18.7	39.8	22.1	9.3	-	16.1	
	All Other Accidents	37.8	16.8	32.3	23.2	33.2	9.3	-	30.2	
	Suicide	17.2	7.7	4.3	8.3	22.1	7.2	-	13.4	
	Homicide	3.8	18.8	28.7	6.6	27.7	2.1	-	9.1	
	Other External Causes	2.8	1.3	5.0	9.9	5.5	2.1	-	2.5	
	All External Causes	76.5	62.6	89.0	87.8	110.7	29.9	-	71.4	
Unknown		0.0	0.3	0	1.7	0	0	-	0.2	
Total		929.5	256.1	603.0	480.7	254.7	256.5	-	684.8	

¹ Uterine & ovarian cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

Maricopa County 2005 Mortality (Death) Statistics

**Table 2.04a Selected Underlying Causes of Death by Age Group
Number of Cases**

Cause		Age Group														Total	
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unk.		
Infectious Diseases	Tuberculosis	0	0	0	0	0	0	0	0	3	0	0	0	3	0	6	
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	HIV	0	0	0	0	0	0	13	46	20	12	1	1	0	0	93	
Cancer	Stomach	0	0	0	0	0	0	1	5	11	15	18	35	25	0	110	
	Colon	0	0	0	0	0	0	4	13	32	83	115	169	98	0	514	
	Pancreas	0	0	0	1	0	0	4	5	26	60	99	82	42	0	319	
	Lung	0	0	0	0	0	0	0	14	90	247	440	419	142	0	1,352	
	Breast	0	0	0	0	0	0	4	18	51	71	83	78	51	0	356	
	Uterine & Ovarian	0	0	0	0	0	1	3	11	37	49	52	61	33	0	247	
	Prostate	0	0	0	0	0	0	0	0	6	15	46	125	101	0	293	
	Urinary	0	0	0	0	0	0	1	5	13	43	55	94	65	0	276	
	Lymphoma	0	0	0	0	1	1	0	3	16	26	35	94	44	0	220	
	Leukemia	0	0	3	2	3	2	7	5	12	14	43	80	36	0	207	
	Other	0	1	8	4	6	10	15	36	133	250	314	333	173	0	1,283	
	All Cancer	0	1	11	7	10	14	39	115	427	873	1,300	1,570	810	0	5,177	
	Diabetes and Alzheimer's	Diabetes	0	0	0	0	4	1	8	16	51	94	132	183	108	0	597
		Alzheimer's	0	0	0	0	0	0	0	0	1	9	74	412	750	0	1,246
Major Cardio-vascular Diseases	Heart Disease	Hypertensive Heart Dis.	0	0	0	0	0	1	5	13	31	52	44	64	133	2	345
		Ischemic Heart Disease	0	0	0	0	0	1	7	71	238	500	730	1,540	1,761	1	4,849
		Other Heart Disease	5	1	1	1	4	5	17	38	51	66	122	227	278	1	817
		All Heart Disease	5	1	1	1	4	7	29	122	320	618	896	1,831	2,172	4	6,011
		Primary Hypertension	0	0	0	0	0	0	1	1	12	16	38	94	102	0	264
	Other Cardio-vascular	Cerebrovascular	3	1	1	0	1	0	6	24	54	70	169	423	518	0	1,270
		Atherosclerosis	0	0	0	0	0	0	0	0	0	6	14	56	95	0	171
		Other Circulatory	0	1	0	0	1	0	0	2	14	19	36	73	54	0	200
		All Other Cardiovascular	3	2	1	0	2	0	7	27	80	111	257	646	769	0	1,905

(Continued)

Maricopa County 2005 Mortality (Death) Statistics

Cause		Age Group														Total
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unk.	
Other Respiratory Diseases	Influenza & Pneumonia	12	2	1	1	1	1	9	12	26	64	113	194	279	0	715
	Chronic Lower Respiratory	2	0	0	1	2	1	1	9	43	139	340	577	391	0	1,506
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0	0	1	3	3	9	9	18	0	43
	Liver Disease	1	0	0	0	0	1	8	46	104	117	56	35	9	0	377
	Nephritis	1	0	0	0	0	1	1	5	7	27	42	66	62	0	212
Pregnancy & Early Life	Pregnancy	0	0	0	0	0	3	1	2	0	0	0	0	0	0	6
	Perinatal Conditions	179	1	0	0	0	0	1	0	0	0	0	0	0	0	181
	Congenital Malformations	85	7	2	0	1	1	8	3	3	5	4	4	0	0	123
	SIDS	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Other Diseases	Symptoms, Signs	19	3	1	2	4	3	7	26	36	19	37	92	260	2	511
	Other Diseases	47	15	8	7	13	6	51	135	322	362	563	1,006	1,038	1	3,574
External Causes	Motor Vehicle Collisions	1	9	16	9	56	76	120	87	69	53	36	42	13	0	587
	All Other Accidents	9	23	13	9	23	36	78	128	185	87	97	179	230	1	1,098
	Suicide	0	0	0	2	33	49	87	96	92	50	30	31	16	0	486
	Homicide	2	5	0	2	45	72	104	44	27	17	6	4	0	3	331
	Other External Causes	1	6	0	1	5	11	9	16	28	9	2	1	2	1	92
	All External Causes	13	43	29	23	162	244	398	371	401	216	171	257	261	5	2,594
Unknown		1	0	0	0	0	0	0	1	1	1	1	1	0	0	6
Total		382	75	54	42	203	283	581	937	1,848	2,670	3,996	6,884	6,930	12	24,897

Maricopa County 2005 Mortality (Death) Statistics

Table 2.04b Selected Underlying Causes of Death by Age Group
Crude Death Rate per 100,000 Residents

Cause		Age Group												Unk.	Total
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		
Infectious Diseases	Tuberculosis	0	0	0	0	0	0	0	0.7	0	0	0	5.8	-	0.2
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	-	0
	HIV	0	0	0	0	0	2.3	8.6	4.4	3.6	0.5	0.7	0	-	2.6
Cancer	Stomach	0	0	0	0	0	0.2	0.9	2.4	4.5	8.3	25.8	48.5	-	3.0
	Colon	0	0	0	0	0	0.7	2.4	7.1	24.7	53.3	124.4	190.0	-	14.1
	Pancreas	0	0	0.4	0	0	0.7	0.9	5.7	17.8	45.9	60.4	81.4	-	8.8
	Lung	0	0	0	0	0	0	2.6	19.8	73.5	204.1	308.4	275.2	-	37.2
	Breast	0	0	0	0	0	0.7	3.4	11.2	21.1	38.5	57.4	98.9	-	9.8
	Uterine & Ovarian ¹	0	0	0	0	0.8	1.5	5.5	21.1	49.1	88.8	143.2	273.3	-	13.7
	Prostate ¹	0	0	0	0	0	0	0	2.6	13.0	59.9	300.4	1,314.4	-	16.0
	Urinary	0	0	0	0	0	0.2	0.9	2.9	12.8	25.5	69.2	126.0	-	7.6
	Lymphoma	0	0	0	0.4	0.4	0	0.6	3.5	7.7	16.2	69.2	85.3	-	6.1
	Leukemia	0	1.1	0.7	1.2	0.8	1.2	0.9	2.6	4.2	19.9	58.9	69.8	-	5.7
	Other	0.3	2.9	1.5	2.4	4.0	2.6	6.8	29.3	74.4	145.6	245.1	335.3	-	35.3
	All Cancer	0.3	4.0	2.6	4.1	5.6	6.9	21.6	94.1	259.7	602.9	1,155.7	1,570.0	-	142.4
Diabetes and Alzheimer's															
Major Cardio-vascular Diseases	Heart Disease														
	Diabetes	0	0	0	1.6	0.4	1.4	3.0	11.2	28.0	61.2	134.7	209.3	-	16.4
	Alzheimer's	0	0	0	0	0	0	0	0.2	2.7	34.3	303.3	1,453.7	-	34.3
	Hypertensive Heart Dis.	0	0	0	0	0.4	0.9	2.4	6.8	15.5	20.4	47.1	257.8	-	9.5
	Ischemic Heart Disease	0	0	0	0	0.4	1.2	13.3	52.4	148.7	338.6	1,133.7	3,413.4	-	133.4
	Other Heart Disease	2.0	0.4	0.4	1.6	2.0	3.0	7.1	11.2	19.6	56.6	167.1	538.9	-	22.5
	All Heart Disease	2.0	0.4	0.4	1.6	2.8	5.1	22.9	70.5	183.8	415.5	1,347.9	4,210.0	-	165.3
	Other Cardio-vascular														
	Primary Hypertension	0	0	0	0	0	0.2	0.2	2.6	4.8	17.6	69.2	197.7	-	7.3
	Cerebrovascular	1.3	0.4	0	0.4	0	1.1	4.5	11.9	20.8	78.4	311.4	1,004.1	-	34.9
	Atherosclerosis	0	0	0	0	0	0	0	0	1.8	6.5	41.2	184.1	-	4.7
	Other Circulatory	0.3	0	0	0.4	0	0	0.4	3.1	5.7	16.7	53.7	104.7	-	5.5
	All Other Cardiovascular	1.7	0.4	0	0.8	0	1.2	5.1	17.6	33.0	119.2	475.5	1,490.6	-	52.4

(Continued)

Maricopa County 2005 Mortality (Death) Statistics

Cause		Age Group												Unk.	Total
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		
Other Respiratory Diseases	Influenza & Pneumonia	4.7	0.4	0.4	0.4	0.4	1.6	2.3	5.7	19.0	52.4	142.8	540.8	-	19.7
	Chronic Lower Respiratory	0.7	0	0.4	0.8	0.4	0.2	1.7	9.5	41.3	157.7	424.8	757.9	-	41.4
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0	0.2	0.7	0.9	4.2	6.6	34.9	-	1.2
	Liver Disease	0.3	0	0	0	0.4	1.4	8.6	22.9	34.8	26.0	25.8	17.4	-	10.4
	Nephritis	0.3	0	0	0	0.4	0.2	0.9	1.5	8.0	19.5	48.6	120.2	-	5.8
Pregnancy & Early Life	Pregnancy	0	0	0	0	1.2	0.2	0.4	0	0	0	0	0	-	0.2
	Perinatal Conditions	60.3	0.0	0	0	0	0.2	0	0	0	0	0	0	-	5.0
	Congenital Malformations	30.8	0.7	0	0.4	0.4	1.4	0.6	0.7	1.5	1.9	2.9	0	-	3.4
	SIDS	4.7	0	0	0	0	0	0	0	0	0	0	0	-	0.4
Other Diseases	Symptoms, Signs	7.4	0.4	0.7	1.6	1.2	1.2	4.9	7.9	5.7	17.2	67.7	504.0	-	14.1
	Other Diseases	20.8	2.9	2.6	5.3	2.4	9.0	25.4	71.0	107.7	261.1	740.6	2,012.0	-	98.3
External Causes	Motor Vehicle Collisions	3.3	5.8	3.3	22.7	30.2	21.1	16.3	15.2	15.8	16.7	30.9	25.2	-	16.1
	All Other Accidents	10.7	4.7	3.3	9.3	14.3	13.7	24.0	40.8	25.9	45.0	131.8	445.8	-	30.2
	Suicide	0	0	0.7	13.4	19.5	15.3	18.0	20.3	14.9	13.9	22.8	31.0	-	13.4
	Homicide	2.3	0	0.7	18.3	28.6	18.3	8.3	5.9	5.1	2.8	2.9	0	-	9.1
	Other External Causes	2.3	0	0.4	2.0	4.4	1.6	3.0	6.2	2.7	0.9	0.7	3.9	-	2.5
	All External Causes	18.8	10.5	8.5	65.7	97.1	70.0	69.7	88.4	64.3	79.3	189.2	505.9	-	71.4
Unknown		0.3	0	0	0	0	0	0.2	0.2	0.3	0.5	0.7	0	-	0.2
Total		153.1	19.6	15.6	82.4	112.6	102.2	176.0	407.2	794.3	1,853.3	5,067.6	13,432.6	-	684.8

¹ Uterine & ovarian cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

Maricopa County 2005 Mortality (Death) Statistics

**Table 2.05a Selected Underlying Causes of Death by Gender
Number of Cases**

Cause		Gender		Total	
		Male	Female		
Infectious Diseases	Tuberculosis	3	3	6	
	Syphilis	0	0	0	
	HIV	82	11	93	
Cancer	Stomach	56	54	110	
	Colon	275	239	514	
	Pancreas	162	157	319	
	Lung	747	605	1,352	
	Breast	5	351	356	
	Uterine & Ovarian	-	247	247	
	Prostate	293	-	293	
	Urinary	182	94	276	
	Lymphoma	122	98	220	
	Leukemia	112	95	207	
	Other	764	519	1,283	
	All Cancer	2,718	2,459	5,177	
	Diabetes and Alzheimer's	Diabetes	318	279	597
		Alzheimer's	393	853	1,246
		Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	144
Ischemic Heart Disease	2,593			2,256	4,849
Other Heart Disease	390			427	817
All Heart Disease	3,127			2,884	6,011
Other Cardiovascular	Primary Hypertension			113	151
	Cerebrovascular		470	800	1,270
	Atherosclerosis		80	91	171
	Other Circulatory		110	90	200
	All Other Cardiovascular		773	1,132	1,905
Other Respiratory Diseases	Influenza & Pneumonia		338	377	715
	Chronic Lower Respiratory	668	838	1,506	
	GI & Urinary	Peptic Ulcer	17	26	43
Liver Disease		250	127	377	
Nephritis		92	120	212	
Pregnancy & Early Life	Pregnancy	0	6	6	
	Perinatal Conditions	106	75	181	
	Congenital Malformations	62	61	123	
	SIDS	9	5	14	
Other Diseases	Symptoms, Signs	206	305	511	
	Other Diseases	1,763	1,811	3,574	
External Causes	Motor Vehicle Collisions	416	171	587	
	All Other Accidents	670	428	1,098	
	Suicide	392	94	486	
	Homicide	284	47	331	
	Other External Causes	53	39	92	
	All External Causes	1,815	779	2,594	
Unknown		3	3	6	
Total		12,743	12,154	24,897	

Maricopa County 2005 Mortality (Death) Statistics

Table 2.05b Selected Underlying Causes of Death by Gender
Crude Death Rate per 100,000 Residents

Cause			Gender		Total
			Male	Female	
Infectious Diseases	Tuberculosis		0.2	0.2	0.2
	Syphilis		0	0	0
	HIV		4.5	0.6	2.6
Cancer	Stomach		3.1	3.0	3.0
	Colon		15.0	13.2	14.1
	Pancreas		8.9	8.7	8.8
	Lung		40.8	33.5	37.2
	Breast		0.3	19.4	9.8
	Uterine & Ovarian ¹		-	13.7	13.7
	Prostate ¹		16.0	-	16.0
	Urinary		9.9	5.2	7.6
	Lymphoma		6.7	5.4	6.1
	Leukemia		6.1	5.3	5.7
	Other		41.8	28.7	35.3
	All Cancer		148.6	136.1	142.4
Diabetes and Alzheimer's	Diabetes		17.4	15.4	16.4
	Alzheimer's		21.5	47.2	34.3
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	7.9	11.1	9.5
		Ischemic Heart Disease	141.7	124.9	133.4
		Other Heart Disease	21.3	23.6	22.5
		All Heart Disease	170.9	159.7	165.3
	Other Cardiovascular	Primary Hypertension	6.2	8.4	7.3
		Cerebrovascular	25.7	44.3	34.9
		Atherosclerosis	4.4	5.0	4.7
		Other Circulatory	6.0	5.0	5.5
		All Other Cardiovascular	42.3	62.7	52.4
Other Respiratory Diseases		Influenza & Pneumonia	18.5	20.9	19.7
		Chronic Lower Respiratory	36.5	46.4	41.4
GI & Urinary	Peptic Ulcer		0.9	1.4	1.2
	Liver Disease		13.7	7.0	10.4
	Nephritis		5.0	6.6	5.8
Pregnancy & Early Life	Pregnancy		0	0.3	0.2
	Perinatal Conditions		5.8	4.2	5.0
	Congenital Malformations		3.4	3.4	3.4
	SIDS		0.5	0.3	0.4
Other Diseases	Symptoms, Signs		11.3	16.9	14.1
	Other Diseases		96.4	100.3	98.3
External Causes	Motor Vehicle Collisions		22.7	9.5	16.1
	All Other Accidents		36.6	23.7	30.2
	Suicide		21.4	5.2	13.4
	Homicide		15.5	2.6	9.1
	Other External Causes		2.9	2.2	2.5
	All External Causes		99.2	43.1	71.4
Unknown			0.2	0.2	0.2
Total			696.6	672.9	684.8

¹ Uterine & ovarian cancer rates are per 100,000 females; prostate cancer rates are per 100,000 males.

Maricopa County 2005 Mortality (Death) Statistics

**Table 2.06a Firearm, Drug, and Alcohol Induced and Related Deaths by Age Group
Number of Cases**

Age Group	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
0-9	0	2	2	2	0	0
10-14	4	1	1	1	1	1
15-19	62	17	17	17	3	3
20-24	95	24	26	26	2	7
25-34	141	65	69	69	10	20
35-44	74	112	134	134	51	72
45-54	75	173	201	214	115	174
55-64	29	55	72	112	100	142
65-74	22	11	10	69	50	72
75-84	33	9	5	67	19	33
85+	10	1	2	28	2	6
Unknown	1	0	0	0	0	0
Total	546	470	539	739	353	530

**Table 2.06b Firearm, Drug, and Alcohol Induced and Related Deaths by Age Group
Crude Death Rate per 100,000 Residents**

Age Group	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
0-9	0	0.3	0.3	0.3	0	0
10-14	1.5	0.4	0.4	0.4	0.4	0.4
15-19	25.2	6.9	6.9	6.9	1.2	1.2
20-24	37.8	9.5	10.3	10.3	0.8	2.8
25-34	24.8	11.4	12.1	12.1	1.8	3.5
35-44	13.9	21.0	25.2	25.2	9.6	13.5
45-54	16.5	38.1	44.3	47.2	25.3	38.3
55-64	8.6	16.4	21.4	33.3	29.7	42.2
65-74	10.2	5.1	4.6	32.0	23.2	33.4
75-84	24.3	6.6	3.7	49.3	14.0	24.3
85+	19.4	1.9	3.9	54.3	3.9	11.6
Unknown	-	-	-	-	-	-
Total	15.0	12.9	14.8	20.3	9.7	14.6

Note: Firearm, drug, and alcohol induced and related deaths are also included in other categories, e.g., suicide, homicide or unintentional injuries. Refer to the Technical Notes for a complete explanation of induced versus related deaths involving firearms, drugs, or alcohol.

Maricopa County 2005 Mortality (Death) Statistics

**Table 2.07a Firearm, Drug, and Alcohol Induced and Related Deaths by Race/Ethnicity
Number of Cases**

Race/Ethnicity	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
White	275	348	396	576	258	389
Hispanic	214	67	77	84	48	73
African American	38	38	44	54	7	15
American Indian, Non-Hispanic	6	13	16	18	33	41
American Indian, Hispanic	6	2	3	3	2	5
Asian	6	1	2	3	3	4
Other/Unknown	1	1	1	1	2	3
Total	546	470	539	739	353	530

**Table 2.07b Firearm, Drug, and Alcohol Induced and Related Deaths by Race/Ethnicity
Crude Death Rate per 100,000 Residents**

Race/Ethnicity	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
White	12.3	15.6	17.7	25.8	11.5	17.4
Hispanic	20.6	6.5	7.4	8.1	4.6	7.0
African American	27.3	27.3	31.6	38.8	5.0	10.8
American Indian, Non-Hispanic	9.9	21.5	26.5	29.8	54.7	68.0
American Indian, Hispanic	33.2	11.1	16.6	16.6	11.1	27.7
Asian	6.2	1.0	2.1	3.1	3.1	4.1
Other/Unknown	-	-	-	-	-	-
Total	15.0	12.9	14.8	20.3	9.7	14.6

**Table 2.08a Firearm, Drug, and Alcohol Induced and Related Deaths by Gender
Number of Cases**

Gender	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
Male	476	315	367	479	261	396
Female	70	155	172	260	92	134
Total	546	470	539	739	353	530

**Table 2.08b Firearm, Drug, and Alcohol Induced and Related Deaths by Gender
Crude Death Rate per 100,000 Residents**

Gender	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
Male	26.0	17.2	20.1	26.2	14.3	21.6
Female	3.9	8.6	9.5	14.4	5.1	7.4
Total	15.0	12.9	14.8	20.3	9.7	14.6

Note: Firearm, drug, and alcohol induced and related deaths are also included in other categories, e.g., suicide, homicide or unintentional injuries.
Refer to the Technical Notes for a complete explanation of induced versus related deaths involving firearms, drugs, or alcohol.

Maricopa County 2005 Mortality (Death) Statistics

Table 2.09 Heat Induced Deaths by Age, Race/Ethnicity, and Gender

2005 Deaths to Maricopa County Residents		
	Number Of Cases	Rate per 100,000 Residents
Race/Ethnicity		
White	24	1.1
Hispanic	13	1.3
African-American	7	5.0
American Indian, Non-Hispanic	1	1.7
American Indian, Hispanic	0	0
Asian	0	0
Other/Unknown	1	-
Total	46	1.3
Age at Death		
0-4	3	1.0
5-9	0	0
10-14	0	0
15-19	0	0
20-24	0	0
25-34	3	0.5
35-44	5	0.9
45-54	14	3.1
55-64	2	0.6
65-74	9	4.2
75-84	6	4.4
85 and Older	4	7.8
Total	46	1.3
Gender		
Male	36	2.0
Female	10	0.6
Total	46	1.3

This table includes all known 2005 deaths with exposure to excessive natural heat as the underlying cause of death.

Maricopa County 2005 Mortality (Death) Statistics

Table 2.10 Number and Percent of Deaths by Race/Ethnicity and Marital Status

Marital Status	Race/Ethnicity														Total	
	White		Hispanic		African American		American Indian, Non-Hispanic		American Indian, Hispanic		Asian		Other/ Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Never Married	1,646	7.9%	792	29.8%	190	22.6%	96	33.1%	27	58.7%	32	12.9%	5	13.9%	2,788	11.2%
Married	8,352	40.2%	949	35.7%	291	34.6%	92	31.7%	8	17.4%	122	49.0%	2	5.6%	9,816	39.4%
Widowed	7,725	37.2%	546	20.5%	190	22.6%	50	17.2%	3	6.5%	67	26.9%	2	5.6%	8,583	34.5%
Divorced	2,922	14.1%	343	12.9%	156	18.6%	50	17.2%	8	17.4%	25	10.0%	4	11.1%	3,508	14.1%
Unknown	134	0.6%	27	1.0%	13	1.5%	2	0.7%	0	0.0%	3	1.2%	23	63.9%	202	0.8%
Total	20,779		2,657		840		290		46		249		36		24,897	

Table 2.11 Number and Percent of Deaths by Race/Ethnicity and Education Level

Educational Level	Race/Ethnicity														Total	
	White		Hispanic		African American		American Indian, Non-Hispanic		American Indian, Hispanic		Asian		Other/ Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	217	1.0%	320	12.0%	41	4.9%	15	5.2%	11	23.9%	24	9.6%	1	2.8%	629	2.5%
Grade 1-6	354	1.7%	597	22.5%	52	6.2%	17	5.9%	3	6.5%	13	5.2%	1	2.8%	1,037	4.2%
Some HS	2,760	13.3%	685	25.8%	176	21.0%	79	27.2%	15	32.6%	34	13.7%	0	0.0%	3,749	15.1%
HS Grad	8,522	41.0%	627	23.6%	271	32.3%	101	34.8%	11	23.9%	83	33.3%	3	8.3%	9,618	38.6%
Some College	4,493	21.6%	232	8.7%	179	21.3%	52	17.9%	5	10.9%	30	12.0%	1	2.8%	4,992	20.1%
College Grad	2,455	11.8%	71	2.7%	65	7.7%	11	3.8%	0	0.0%	37	14.9%	0	0.0%	2,639	10.6%
Graduate School	1,651	7.9%	50	1.9%	38	4.5%	10	3.4%	0	0.0%	21	8.4%	1	2.8%	1,771	7.1%
Unknown	327	1.6%	75	2.8%	18	2.1%	5	1.7%	1	2.2%	7	2.8%	29	80.6%	462	1.9%
Total	20,779		2,657		840		290		46		249		36		24,897	

Table 2.12 Number and Percent of Deaths by Race/Ethnicity and Gender

Gender	Race/Ethnicity														Total	
	White		Hispanic		African American		American Indian, Non-Hispanic		American Indian, Hispanic		Asian		Other/ Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Male	10,333	49.7%	1,610	60.6%	446	53.1%	166	57.2%	33	71.7%	125	50.2%	30	83.3%	12,743	51.2%
Female	10,446	50.3%	1,047	39.4%	394	46.9%	124	42.8%	13	28.3%	124	49.8%	6	16.7%	12,154	48.8%
Total	20,779		2,657		840		290		46		249		36		24,897	

Maricopa County 2005 Mortality (Death) Statistics

Table 2.13 Crude and Age Adjusted Rates for Selected Underlying Causes of Death by Race/Ethnicity

Crude Death Rates							
	White	Hispanic	African American	Amer. Ind. Non-Hisp.	Amer. Ind. Hispanic	Asian	Total
All Causes - Total	929.5	256.1	603.0	480.7	254.7	256.5	684.8
Heart Disease	236.1	41.9	132.8	77.9	38.8	53.6	165.3
All Cancer	202.3	38.8	112.0	59.7	22.1	55.6	142.4
Cerebrovascular	48.5	9.4	38.8	14.9	5.5	24.7	34.9
Unintentional Injuries ¹	52.0	34.5	50.2	63.0	55.4	18.5	45.7
Pneumonia & Influenza	27.1	7.1	12.9	18.2	0	5.2	19.7
Diabetes (single cause)	19.4	8.9	28.0	34.8	0	9.3	16.4
Suicide	17.2	7.7	4.3	8.3	22.1	7.2	13.4
Homicide	3.8	18.8	28.7	6.6	27.7	2.1	9.1
AIDS and HIV	2.5	2.1	9.3	1.7	0	1.0	2.6
Asthma	1.4	0.2	1.4	5.0	0	0	1.0
Drug Induced	15.6	6.5	27.3	21.5	11.1	1.0	12.9
Firearm Related	12.3	20.6	27.3	9.9	33.2	6.2	15.0
Alcohol Induced	11.5	4.6	5.0	54.7	11.1	3.1	9.7
Age Adjusted Death Rates							
	White	Hispanic	African American	Amer. Ind. Non-Hisp.	Amer. Ind. Hispanic	Asian	Total
All Causes	751.0	697.2	979.0	913.6	380.2	467.4	751.2
Heart Disease	186.0	156.9	247.9	199.1	91.3	103.8	183.6
Cancer	162.8	123.6	181.9	147.2	48.1	87.2	156.9
Cerebrovascular	38.2	36.7	70.6	35.9	8.6	54.9	39.2
Unintentional Injuries ¹	46.9	52.0	55.4	74.8	58.0	25.9	48.0
Pneumonia & Influenza	21.4	23.3	20.3	44.2	0	12.8	21.7
Diabetes (single cause)	15.6	29.3	49.3	70.3	0	15.1	18.1
Suicide	16.4	7.7	3.8	8.2	18.5	9.5	13.8
Homicide	3.6	16.1	27.5	6.1	21.7	2.5	8.8
AIDS and HIV	2.4	2.4	9.7	2.3	0	0.6	2.7
Asthma	1.2	0.2	1.5	5.1	0	0	1.1
Drug Induced	15.1	8.7	29.1	27.2	17.9	1.1	13.4
Firearm Related	11.8	18.1	26.0	9.4	25.5	6.2	15.1
Alcohol Induced	10.0	9.8	5.7	75.9	26.8	4.2	10.2

Note: The methods used for age adjusting may be found in the Technical Notes.

¹ Unintentional injuries listed in this table include 1,663 deaths from unintentional injuries, but do not include the 22 deaths from complications of medical or surgical care. The figure in this table is comparable to the HP 2010 goal for deaths due to unintentional injury. See Technical Notes for details

Maricopa County 2005 Mortality (Death) Statistics

Table 2.14 Death Rate Comparisons to Arizona, U.S. and Healthy People 2010 Goals for Selected Underlying Causes of Death

Causes of Death	2005 Maricopa County		Age Adjusted Rate (Deaths per 100,000 Residents)			
	No. of Individuals	Crude Rate (Deaths per 100,000 Residents)	Maricopa County 2005	Arizona 2005	U.S. 2003/ 2004 ⁴	Healthy People 2010 Goal
All Causes	24,897	684.8	751.2	772.5	801.1	
Heart Disease	6,011	165.3	183.6	186.9	217.5	-
Coronary Heart Disease	5,165	142.1	157.9	147.9	-	166.0
All Other Heart Disease	846	23.3	-	-	-	-
All Cancers	5,177	142.4	156.9	161.8	184.6	159.9
Lung, Trachea, Bronchus Cancer	1,352	37.2	41.1	43.0	52.9	44.9
Female Breast Cancer ¹	351	19.4	19.2	20.7	25.3	22.3
Prostate Cancer ¹	293	16.0	23.1	23.8	26.5	28.8
All Other Cancers	3,181	87.5	-	-	-	-
Cerebrovascular Disease (Stroke)	1,270	34.9	39.2	40.6	50.0	48.0
Unintentional Injuries (Accidents) ²	1,663	45.7	48.0	51.1	36.6	17.5
Motor Vehicle	587	16.1	16.4	18.9	14.8	-
Falls	434	11.9	13.3	12.0	6.2	-
Accidental Poisoning	327	9.0	9.3	9.7	6.5	-
Drowning	55	1.5	1.5	1.4	1.1	-
All Other Unintentional Injuries	260	7.2	-	-	-	-
Pneumonia & Influenza	715	19.7	21.7	22.3	20.4	-
Diabetes	597	16.4	18.1	20.1	24.4	45.0
Suicide	486	13.4	13.8	15.4	10.7	5.0
Homicide	331	9.1	8.8	8.2	5.6	3.0
AIDS & HIV	93	2.6	2.7	2.4	4.4	0.7 ³
Asthma	38	1.0	1.1	-	1.3	-
Drug Induced	470	12.9	13.4	13.8	9.7	1.0
Firearm Related	546	15.0	15.1	15.2	9.8	4.1
Alcohol Induced	353	9.7	10.2	11.2	6.8	-

1. The Maricopa County, Arizona, United States and HP 2010 Goal rates for female breast cancer are calculated as a rate per 100,000 women. The rates for prostate cancer are calculated as rates per 100,000 men.
2. Unintentional injuries listed in this table include 1,663 deaths from unintentional injuries, but do not include the 22 deaths from complications of medical or surgical care. The figure in this table is comparable to the HP 2010 goal. See Technical Notes for details.
3. When compared directly to the Healthy People 2010 Goals, Maricopa County data for HIV/AIDS and drug induced deaths are inflated by approximately 15-20% because a different method of classifying deaths was used to determine the Healthy People Goals.
4. Figures for female breast cancer and prostate cancer are final 2003 U.S. data. All other figures are preliminary 2004 U.S. data.

III. Maricopa County 2005 Communicable Disease Statistics

Maricopa County 2005 Communicable Disease Statistics

Table 3.01a Number of Cases of Selected Reportable Diseases by Race/Ethnicity

Disease		Race/Ethnicity							Total
		White	Hisp.	Black	Amer Ind. Non-Hisp.	Amer Ind. Hisp.	Asian	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	28	13	2	4	0	0	13	60
	Measles	0	0	0	0	0	0	1	1
	Mumps	0	0	0	0	0	0	0	0
	Pertussis	111	47	0	6	0	2	82	248
Central Nervous System	Enceph Viral Other	16	6	1	0	0	0	0	23
	Meningitis Viral/Aseptic	434	178	18	2	1	9	80	722
	Meningococcal Meningitis	12	5	0	0	0	1	2	20
Enterics	Amebiasis	1	2	1	0	0	0	7	11
	Botulism	0	0	0	0	0	0	0	0
	Campylobacteriosis	132	69	3	16	0	0	281	501
	Cholera	0	0	0	0	0	0	0	0
	Cryptosporidiosis	2	3	0	2	0	0	2	9
	<i>E. Coli</i> O157.H7	16	3	0	1	0	1	9	30
	Giardiasis	18	20	44	1	0	2	35	120
	Listeriosis	6	1	0	0	0	0	1	8
	Salmonella Paratyphi	0	0	0	0	0	0	0	0
	Salmonellosis	122	52	12	12	0	5	176	379
	Shigellosis	42	106	4	9	0	0	88	249
	Typhoid	1	1	0	0	0	1	1	4
Mycosis	Coccidioidomycosis	450	102	40	15	0	19	1,835	2,461
Zoonoses/ Vectorborne	Brucellosis	1	0	0	0	0	0	1	2
	Dengue	0	0	0	0	0	0	0	0
	Hantavirus Pulm. Syn.	1	0	0	0	0	0	0	1
	Lyme Disease	4	0	0	0	0	0	3	7
	Malaria	3	1	5	0	0	1	5	15
	West Nile Virus	67	4	1	2	0	0	5	79
Hepatitides	Hepatitis A	17	28	1	0	0	1	21	68
	Hepatitis B (Acute)	25	10	7	3	0	3	191	239
	Hepatitis C	683	206	87	67	0	16	307	1,366
	Hepatitis D	0	0	0	0	0	1	1	2
Other	Legionellosis	3	1	0	0	0	0	11	15
	MRSA	11	4	1	17	0	0	1,076	1,109
	Strep Group A	45	14	1	12	0	0	96	168
	Strep Group B	10	6	0	0	0	0	15	31
	Strep Pneumo Invasive	146	53	26	36	0	5	208	474
	Toxic Shock Syndrome	1	0	0	0	0	0	0	1
	Vibrio spp.	2	5	0	0	0	0	6	13
	VRE	507	89	37	16	0	7	706	1,362
	Yersiniosis	0	0	0	0	0	0	1	1
	Hansen's Disease	0	1	0	0	0	0	0	1
Tuberculosis Sexually Transmitted Disease		35	99	16	1	0	18	0	169
	Genital Herpes ¹	363	171	49	29	-	4	183	799
	Gonorrhea ¹	869	943	613	166	-	13	311	2,915
	Syphilis – Primary and Secondary ¹	53	45	9	14	-	2	0	123
	Syphilis – All Others ¹	99	244	48	21	-	9	0	421
	Chlamydia ¹	3,222	4,591	1,155	718	-	90	1,554	11,330
	HIV	200	102	38	12	2	0	4	358
All Others	AIDS	161	84	41	14	0	5	1	306
		7	7	0	0	0	2	6	22
Total		7,926	7,316	2,260	1,196	3	218	7,328	26,247

1

Data collection methods for race/ethnicity data for genital herpes, gonorrhea, syphilis, and chlamydia do not allow the data to utilize an 'American Indian, Hispanic' category.

Maricopa County 2005 Communicable Disease Statistics

Table 3.01b Case Rates per 100,000 Residents for Selected Reportable Diseases by Race/Ethnicity

Disease		Race/Ethnicity							Total
		White	Hisp.	Black	Amer Ind. Non-Hisp.	Amer Ind. Hisp.	Asian	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	1.3	1.3	1.4	6.6	0	0	-	1.7
	Measles	0	0	0	0	0	0	-	0.0
	Mumps	0	0	0	0	0	0	-	0
	Pertussis	5.0	4.5	0	9.9	0	2.1	-	6.8
Central Nervous System	Enceph Viral Other	0.7	0.6	0.7	0	0	0	-	0.6
	Meningitis Viral/Aseptic	19.4	17.2	12.9	3.3	5.5	9.3	-	19.9
Enterics	Meningococcal Meningitis	0.5	0.5	0	0	0	1.0	-	0.6
	Amebiasis	0.0	0.2	0.7	0	0	0	-	0.3
	Botulism	0	0	0	0	0	0	-	0
	Campylobacteriosis	5.9	6.7	2.2	26.5	0	0	-	13.8
	Cholera	0	0	0	0	0	0	-	0
	Cryptosporidiosis	0.1	0.3	0	3.3	0	0	-	0.2
	<i>E. Coli</i> O157.H7	0.7	0.3	0	1.7	0	1.0	-	0.8
	Giardiasis	0.8	1.9	31.6	1.7	0	2.1	-	3.3
	Listeriosis	0.3	0.1	0	0	0	0	-	0.2
	Salmonella Paratyphi	0	0	0	0	0	0	-	0
	Salmonellosis	5.5	5.0	8.6	19.9	0	5.2	-	10.4
	Shigellosis	1.9	10.2	2.9	14.9	0	0	-	6.8
	Typhoid	0.0	0.1	0	0	0	1.0	-	0.1
Mycosis	Coccidioidomycosis	20.1	9.8	28.7	24.9	0	19.6	-	67.7
Zoonoses/ Vectorborne	Brucellosis	0.0	0	0	0	0	0	-	0.1
	Dengue	0	0	0	0	0	0	-	0
	Hantavirus Pulm. Syn.	0.0	0	0	0	0	0	-	0.0
	Lyme Disease	0.2	0	0	0	0	0	-	0.2
	Malaria	0.1	0.1	3.6	0	0	1.0	-	0.4
	West Nile Virus	3.0	0.4	0.7	3.3	0	0	-	2.2
Hepatitides	Hepatitis A	0.8	2.7	0.7	0	0	1.0	-	1.9
	Hepatitis B (Acute)	1.1	1.0	5.0	5.0	0	3.1	-	6.6
	Hepatitis C	30.6	19.9	62.5	111.1	0	16.5	-	37.6
	Hepatitis D	0	0	0	0	0	1.0	-	0.1
Other	Legionellosis	0.1	0.1	0	0	0	0	-	0.4
	MRSA	0.5	0.4	0.7	28.2	0	0	-	30.5
	Strep Group A	2.0	1.3	0.7	19.9	0	0	-	4.6
	Strep Group B ¹	0.4	0.3	0	0	0	0	-	0.5
	Strep Pneumo Invasive	6.5	5.1	18.7	59.7	0	5.2	-	13.0
	Toxic Shock Syndrome	0.0	0	0	0	0	0	-	0.0
	Vibrio spp.	0.1	0.5	0	0	0	0	-	0.4
	VRE	22.7	8.6	26.6	26.5	0	7.2	-	37.5
	Yersiniosis	0	0	0	0	0	0	-	0.0
	Hansen's Disease	0	0.1	0	0	0	0	-	0.0
Tuberculosis		1.6	9.5	11.5	1.7	0	18.5	-	4.6
Sexually Transmitted Disease	Genital Herpes ²	16.2	16.5	35.2	48.1	-	4.1	-	22.0
	Gonorrhea ²	38.9	90.9	440.0	275.1	-	13.4	-	80.2
	Syphilis – Primary and Secondary ²	2.4	4.3	6.5	23.2	-	2.1	-	3.4
	Syphilis – All Others ²	4.4	23.5	34.5	34.8	-	9.3	-	11.6
	Chlamydia ²	144.1	442.5	829.1	1,190.1	-	92.7	-	311.6
	HIV	8.9	9.8	27.3	19.9	11.1	0	-	9.8
	AIDS	7.2	8.1	29.4	23.2	0	5.2	-	8.4
All Others		0.3	0.7	0	0	0	2.1	-	0.6
Total		354.6	705.1	1,622.4	1,982.3	16.6	224.5	-	722.0

¹ Rates for Streptococcal Group B Invasive in infants <90 days are per 1,000 live births by race of the mother.
² Data collection methods for race/ethnicity data for genital herpes, gonorrhea, syphilis, and chlamydia do not allow the data to utilize an 'American Indian, Hispanic' category.

Maricopa County 2005 Communicable Disease Statistics

Table 3.02a Number of Cases of Selected Reportable Diseases by Age Group

Disease		Age Group													Total
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-84	85+	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	8	4	3	0	1	2	2	3	5	7	18	6	1	60
	Measles	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	Mumps	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pertussis	70	29	27	40	22	11	14	11	18	5	1	0	0	248
Central Nervous System	Enceph Viral Other	0	1	1	0	0	1	1	1	4	2	10	2	0	23
	Meningitis Viral/Aseptic	119	14	55	32	59	66	135	81	61	41	49	6	4	722
	Meningococcal Meningitis	0	1	1	0	4	2	4	3	2	1	2	0	0	20
Enterics	Amebiasis	0	2	3	0	0	0	2	1	0	1	1	1	0	11
	Botulism	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Campylobacteriosis	14	76	35	31	25	25	56	64	58	40	37	5	35	501
	Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cryptosporidiosis	0	2	0	0	0	1	0	4	0	1	1	0	0	9
	<i>E. Coli</i> O157.H7	0	5	5	3	3	2	3	1	0	2	6	0	0	30
	Giardiasis	2	41	32	6	1	2	7	5	7	7	3	0	7	120
	Listeriosis	0	0	0	0	0	1	1	0	0	1	1	4	0	8
	Salmonella Paratyphi	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Salmonellosis	33	62	37	25	15	18	44	36	33	27	39	6	4	379
	Shigellosis	2	84	58	15	7	8	23	22	10	9	10	0	1	249
	Typhoid	0	0	0	0	0	0	3	0	0	0	1	0	0	4
Mycosis	Coccidioidomycosis	8	12	28	37	69	104	257	409	407	387	646	72	25	2,461
Zoonoses/ Vectorborne	Brucellosis	0	0	0	0	0	0	0	0	1	1	0	0	0	2
	Dengue	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Hantavirus Pulm. Syn.	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	Lyme Disease	0	0	0	1	3	0	0	0	0	2	1	0	0	7
	Malaria	0	1	0	0	2	3	4	1	2	1	1	0	0	15
	West Nile Virus	1	0	1	0	3	2	9	13	23	15	12	0	0	79
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitides	Hepatitis A	0	2	6	12	3	9	12	9	5	7	3	0	0	68
	Hepatitis B (Acute)	0	0	0	1	4	10	45	66	68	31	13	1	0	239
	Hepatitis C	3	0	0	0	3	35	125	288	550	227	115	12	8	1,366
	Hepatitis D	0	0	0	0	0	2	0	0	0	0	0	0	0	2
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	Legionellosis	0	0	0	0	0	0	2	1	3	4	5	0	0	15
	MRSA	13	9	6	6	8	18	46	101	117	144	322	57	262	1,109
	Strep Group A	3	9	6	1	2	6	19	31	22	23	30	5	11	168
	Strep Group B ¹	31	-	-	-	-	-	-	-	-	-	-	-	-	31
	Strep Pneumo Invasive	34	46	11	9	9	4	38	49	60	68	103	23	20	474
	Toxic Shock Syndrome	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	Vibrio spp.	0	0	0	0	0	1	3	4	3	2	0	0	0	13
	VRE	11	5	5	5	14	16	33	98	153	208	613	139	62	1,362
	Yersiniosis	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	Hansen's Disease	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis		2	19	13	1	4	10	26	24	30	13	22	5	0	169
Sexually Transmitted Diseases	Genital Herpes	4	5	1	5	108	182	263	105	83	28	15	0	0	799
	Gonorrhea	2	0	1	28	627	848	886	372	114	32	5	0	0	2,915
	Syphilis – Primary and Secondary	0	0	0	0	1	15	44	38	19	6	0	0	0	123
	Syphilis – All Others	22	0	0	1	15	56	142	112	46	20	7	0	0	421
	Chlamydia	9	1	4	132	3,610	4,082	2,791	562	112	19	8	0	0	11,330
	HIV	2	2	1	1	11	51	98	137	35	14	6	0	0	358
	AIDS	0	0	0	0	2	11	80	130	63	16	4	0	0	306
All Others		2	11	1	0	0	0	2	3	0	1	2	0	0	22
Total		397	443	341	392	4,636	5,604	5,223	2,785	2,114	1,413	2,112	345	442	26,247

¹ Streptococcal Group B Invasive disease is only reportable for cases in infants under 90 days.

Maricopa County 2005 Communicable Disease Statistics

Table 3.02b Case Rates per 100,000 Residents for Selected Reportable Diseases by Age Group

Disease		Age Group												Total
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-84	85+	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	4.0	1.1	0	0.4	0.8	0.4	0.6	1.1	2.1	5.1	11.6	-	1.7
	Measles	0	0	0	0	0	0.2	0	0	0	0	0	-	0.0
	Mumps	0	0	0	0	0	0	0	0	0	0	0	-	0
	Pertussis	33.2	9.8	14.8	8.9	4.4	2.5	2.1	4.0	1.5	0.3	0	-	6.8
Central Nervous System	Enceph Viral Other	0.3	0.4	0	0	0.4	0.2	0.2	0.9	0.6	2.8	3.9	-	0.6
	Meningitis Viral/Aseptic	44.6	20.0	11.9	23.9	26.3	23.7	15.2	13.4	12.2	13.9	11.6	-	19.9
	Meningococcal Meningitis	0.3	0.4	0	1.6	0.8	0.7	0.6	0.4	0.3	0.6	0	-	0.6
Enterics	Amebiasis	0.7	1.1	0	0	0	0.4	0.2	0	0.3	0.3	1.9	-	0.3
	Botulism	0	0	0	0	0	0	0	0	0	0	0	-	0
	Campylobacteriosis	30.1	12.7	11.5	10.1	9.9	9.8	12.0	12.8	11.9	10.5	9.7	-	13.8
	Cholera	0	0	0	0	0	0	0	0	0	0	0	-	0
	Cryptosporidiosis	0.7	0	0	0	0.4	0	0.8	0	0.3	0.3	0	-	0.2
	<i>E. Coli</i> O157.H7	1.7	1.8	1.1	1.2	0.8	0.5	0.2	0	0.6	1.7	0	-	0.8
	Giardiasis	14.4	11.6	2.2	0.4	0.8	1.2	0.9	1.5	2.1	0.9	0	-	3.3
	Listeriosis	0	0	0	0	0.4	0.2	0	0	0.3	0.3	7.8	-	0.2
	Salmonella Paratyphi	0	0	0	0	0	0	0	0	0	0	0	-	0
	Salmonellosis	31.8	13.4	9.3	6.1	7.2	7.7	6.8	7.3	8.0	11.1	11.6	-	10.4
	Shigellosis	28.8	21.0	5.6	2.8	3.2	4.0	4.1	2.2	2.7	2.8	0	-	6.8
Mycosis	Typhoid	0	0	0	0	0	0.5	0	0	0	0.3	0	-	0.1
	Coccidioidomycosis	6.7	10.2	13.7	28.0	41.4	45.2	76.8	89.7	115.1	183.8	139.6	-	67.7
Zoonoses/ Vectorborne	Brucellosis	0	0	0	0	0	0	0	0.2	0.3	0	0	-	0.1
	Dengue	0	0	0	0	0	0	0	0	0	0	0	-	0
	Hantavirus Pulm. Syn.	0	0	0	0	0	0.2	0	0	0	0	0	-	0.0
	Lyme Disease	0	0	0.4	1.2	0	0	0	0	0.6	0.3	0	-	0.2
	Malaria	0.3	0	0	0.8	1.2	0.7	0.2	0.4	0.3	0.3	0	-	0.4
	West Nile Virus	0.3	0.4	0	1.2	0.8	1.6	2.4	5.1	4.5	3.4	0	-	2.2
	Hepatitis A	0.7	2.2	4.5	1.2	3.6	2.1	1.7	1.1	2.1	0.9	0	-	1.9
Hepatitides	Hepatitis B (Acute)	0	0	0.4	1.6	4.0	7.9	12.4	15.0	9.2	3.7	1.9	-	6.6
	Hepatitis C	1.0	0	0	1.2	13.9	22.0	54.1	121.2	67.5	32.7	23.3	-	37.6
	Hepatitis D	0	0	0	0	0.8	0	0	0	0	0	0	-	0.1
Other	Legionellosis	0	0	0	0	0	0.4	0.2	0.7	1.2	1.4	0	-	0.4
	MRSA	7.4	2.2	2.2	3.2	7.2	8.1	19.0	25.8	42.8	91.6	110.5	-	30.5
	Strep Group A	4.0	2.2	0.4	0.8	2.4	3.3	5.8	4.8	6.8	8.5	9.7	-	4.6
	Strep Group B ¹	0.5	-	-	-	-	-	-	-	-	-	-	-	0.5
	Strep Pneumo Invasive	26.8	4.0	3.3	3.7	1.6	6.7	9.2	13.2	20.2	29.3	44.6	-	13.0
	Toxic Shock Syndrome	0	0	0	0.4	0	0	0	0	0	0	0	-	0.0
	Vibrio spp.	0	0	0	0	0.4	0.5	0.8	0.7	0.6	0	0	-	0.4
	VRE	5.4	1.8	1.9	5.7	6.4	5.8	18.4	33.7	61.9	174.4	269.4	-	37.5
	Yersiniosis	0	0	0	0	0	0	0	0	0	0	1.9	-	0.0
	Hansen's Disease	0	0	0	0	0	0.2	0	0	0	0	0	-	0.0
Tuberculosis		7.0	4.7	0.4	1.6	4.0	4.6	4.5	6.6	3.9	6.3	9.7	-	4.6
Sexually Transmitted Diseases	Genital Herpes	3.0	0.4	1.9	43.8	72.4	46.2	19.7	18.3	8.3	4.3	0	-	22.0
	Gonorrhea	0.7	0.4	10.4	254.5	337.3	155.8	69.9	25.1	9.5	1.4	0	-	80.2
	Syphilis – Primary and Secondary	0	0	0	0.4	6.0	7.7	7.1	4.2	1.8	0	0	-	3.4
	Syphilis – All Others	7.4	0	0.4	6.1	22.3	25.0	21.0	10.1	5.9	2.0	0	-	11.6
	Chlamydia	3.3	1.5	49.0	1,465.0	1,623.8	490.7	105.6	24.7	5.7	2.3	0	-	311.6
	HIV	1.3	0.4	0.4	4.5	20.3	17.2	25.7	7.7	4.2	1.7	0	-	9.8
	AIDS	0	0	0	0.8	4.4	14.1	24.4	13.9	4.8	1.1	0	-	8.4
All Others		4.4	0.4	0	0	0	0.4	0.6	0	0.3	0.6	0	-	0.6
Total		281.4	123.7	145.4	1,881.4	2,229.3	918.3	523.2	465.9	420.3	600.9	668.7	-	722.0

¹ Rates for Streptococcal Group B Invasive in infants <90 days are per 1,000 live births.

Maricopa County 2005 Communicable Disease Statistics

Table 3.03a Number of Cases of Selected Reportable Diseases by Gender

Disease		Gender			Total
		Male	Female	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	27	33	0	60
	Measles	1	0	0	1
	Mumps	0	0	0	0
	Pertussis	112	135	1	248
Central Nervous System	Enceph Viral Other	8	15	0	23
	Meningitis Viral/Aseptic	354	368	0	722
	Meningococcal Meningitis	9	11	0	20
Enterics	Amebiasis	6	5	0	11
	Botulism	0	0	0	0
	Campylobacteriosis	267	232	2	501
	Cholera	0	0	0	0
	Cryptosporidiosis	6	3	0	9
	<i>E. Coli</i> O157.H7	12	18	0	30
	Giardiasis	52	62	6	120
	Listeriosis	3	5	0	8
	Salmonella Paratyphi	0	0	0	0
	Salmonellosis	176	200	3	379
	Shigellosis	121	128	0	249
	Typhoid	4	0	0	4
Mycosis	Coccidioidomycosis	1,351	1,096	14	2,461
Zoonoses/ Vectorborne	Brucellosis	1	1	0	2
	Dengue	0	0	0	0
	Hantavirus Pulm. Syn.	1	0	0	1
	Lyme Disease	5	2	0	7
	Malaria	8	7	0	15
	West Nile Virus	43	36	0	79
Hepatitides	Hepatitis A	38	30	0	68
	Hepatitis B (Acute)	132	107	0	239
	Hepatitis C	948	405	13	1,366
	Hepatitis D	1	1	0	2
Other	Legionellosis	10	5	0	15
	MRSA	669	423	17	1,109
	Strep Group A	91	68	9	168
	Strep Group B	14	17	0	31
	Strep Pneumo Invasive	268	202	4	474
	Toxic Shock Syndrome	0	1	0	1
	Vibrio spp.	7	6	0	13
	VRE	593	764	5	1,362
	Yersiniosis	1	0	0	1
	Hansen's Disease	1	0	0	1
Tuberculosis		102	67	0	169
Sexually Transmitted Diseases	Genital Herpes	255	544	0	799
	Gonorrhea	1,578	1,337	0	2,915
	Syphilis – Primary and Secondary	100	23	0	123
	Syphilis – All Others	260	161	0	421
	Chlamydia	2,511	8,819	0	11,330
	HIV	303	55	0	358
	AIDS	263	43	0	306
All Others		14	8	0	22
Total		10,728	15,445	74	26,247

Maricopa County 2005 Communicable Disease Statistics

Table 3.03b Case Rates per 100,000 Residents for Selected Reportable Diseases by Gender

Disease		Gender			Total
		Male	Female	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	1.5	1.8	-	1.7
	Measles	0.1	0	-	0.0
	Mumps	0	0	-	0
	Pertussis	6.1	7.5	-	6.8
Central Nervous System	Enceph Viral Other	0.4	0.8	-	0.6
	Meningitis Viral/Aseptic	19.4	20.4	-	19.9
	Meningococcal Meningitis	0.5	0.6	-	0.6
Enterics	Amebiasis	0.3	0.3	-	0.3
	Botulism	0	0	-	0
	Campylobacteriosis	14.6	12.8	-	13.8
	Cholera	0	0	-	0
	Cryptosporidiosis	0.3	0.2	-	0.2
	<i>E. Coli</i> O157.H7	0.7	1.0	-	0.8
	Giardiasis	2.8	3.4	-	3.3
	Listeriosis	0.2	0.3	-	0.2
	Salmonella Paratyphi	0	0	-	0
	Salmonellosis	9.6	11.1	-	10.4
	Shigellosis	6.6	7.1	-	6.8
	Typhoid	0.2	0	-	0.1
Mycosis	Coccidioidomycosis	73.9	60.7	-	67.7
	Brucellosis	0.1	0.1	-	0.1
	Dengue	0	0	-	0
	Hantavirus Pulm. Syn.	0.1	0	-	0.0
	Lyme Disease	0.3	0.1	-	0.2
	Malaria	0.4	0.4	-	0.4
	West Nile Virus	2.4	2.0	-	2.2
Hepatitides	Hepatitis A	2.1	1.7	-	1.9
	Hepatitis B (Acute)	7.2	5.9	-	6.6
	Hepatitis C	51.8	22.4	-	37.6
	Hepatitis D	0.1	0.1	-	0.1
Other	Legionellosis	0.5	0.3	-	0.4
	MRSA	36.6	23.4	-	30.5
	Strep Group A	5.0	3.8	-	4.6
	Strep Group B ¹	0.4	0.6	-	0.5
	Strep Pneumo Invasive	14.6	11.2	-	13.0
	Toxic Shock Syndrome	0	0.1	-	0.0
	Vibrio spp.	0.4	0.3	-	0.4
	VRE	32.4	42.3	-	37.5
	Yersiniosis	0.1	0	-	0.0
	Hansen's Disease	0.1	0	-	0.0
	Tuberculosis	5.6	3.7	-	4.6
Sexually Transmitted Diseases	Genital Herpes	13.9	30.1	-	22.0
	Gonorrhea	86.3	74.0	-	80.2
	Syphilis – Primary and Secondary	5.5	1.3	-	3.4
	Syphilis – All Others	14.2	8.9	-	11.6
	Chlamydia	137.3	488.3	-	311.6
	HIV	16.6	3.0	-	9.8
	AIDS	14.4	2.4	-	8.4
All Others		0.8	0.4	-	0.6
Total		586.4	855.1	-	722.0

¹ Rates for Streptococcal Group B Invasive in infants <90 days are per 1,000 live births.

Maricopa County 2005 Communicable Disease Statistics

Table 3.04 Case Rate Comparisons to Arizona, U.S. and Healthy People 2010 Goals for Selected Diseases

Disease	2005 Maricopa County		Crude Case Rate (Cases per 100,000 Residents)		
	Number of cases	Crude Case Rate (Cases per 100,000 Residents)	Arizona 2005	U.S. 2004	Healthy People 2010 Goal
Hepatitis C	1,366	37.6	-	-	1.0
Salmonellosis	379	10.4	12.2	14.5	6.8
AIDS	306	8.4	-	15.2	1.0
HIV	358	9.8	8.9	-	-
Tuberculosis	169	4.6	4.6	5.0	1.0
Hepatitis B (Acute Cases Only)	239	6.6	6.2	2.1	-
Hepatitis A	68	1.9	3.2	1.9	4.5
Syphilis (Primary and Secondary)	123	3.4	2.9	2.7	0.2 ¹
Pertussis	248	6.8	8.0	8.9	0.7
Rubella	0	0	0.0	0.0	0
Mumps	0	0	0.0	0.1	0
Measles	1	0.0	0.0	0.0	0

¹ The Healthy People 2010 goal for primary and secondary syphilis includes only transmission of syphilis that occurred in the United States. It is likely that Maricopa County includes some cases acquired outside of the country.

IV. Maricopa County 2005 Natality (Birth) Statistics

Maricopa County 2005 Natality (Birth) Statistics

Table 4.01 Number and Percent of Births by Age and Race/Ethnicity of Mother

Age Group of Mother	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<15	3	0.0	103	0.4	4	0.2	8	0.5	0	0	0	0	0	0	118	0.2
15-19	1,614	6.0	4,684	16.4	401	15.6	306	17.5	29	27.9	55	2.7	5	2.8	7,094	11.4
20-24	5,973	22.1	8,668	30.4	845	32.8	564	32.3	34	32.7	270	13.4	30	16.6	16,384	26.3
25-29	8,013	29.6	7,726	27.1	652	25.3	453	25.9	24	23.1	572	28.3	42	23.2	17,482	28.1
30-34	7,199	26.6	4,987	17.5	418	16.2	277	15.8	9	8.7	735	36.4	41	22.3	13,666	22.0
35-39	3,513	13.0	1,967	6.9	212	8.2	122	7.0	7	6.7	328	16.2	33	18.2	6,182	9.9
40-44	681	2.5	395	1.4	44	1.7	17	1.0	1	1.0	56	2.8	23	12.7	1,217	2.0
45+	51	0.2	14	0.0	2	0.1	1	0.1	0	0	4	0.2	7	3.9	79	0.1
Unk.	0	0	1	0.0	0	0	0	0	0	0	0	0	0	0	1	0.0
Total	27,047		28,545		2,578		1,748		104		2,020		181		62,223	

Table 4.02 Number and Percent of Births by Marital Status and Race/Ethnicity of Mother

Marital Status of Mother	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Married	20,249	74.9	12,440	43.6	913	35.4	483	27.6	37	35.6	1,709	84.6	146	80.7	35,977	57.8
Single	6,545	24.2	15,770	55.2	1,627	63.1	1,232	70.5	66	63.5	304	15.0	30	16.6	25,574	41.1
Refused	185	0.7	257	0.9	32	1.2	21	1.2	1	1.0	5	0.2	0	0	501	0.8
Divorced	27	0.1	31	0.1	1	0.0	5	0.3	0	0	0	0	0	0	64	0.1
Unknown	41	0.2	47	0.2	5	0.2	7	0.4	0	0	2	0.1	5	2.8	107	0.2
Total	27,047		28,545		2,578		1,748		104		2,020		181		62,223	

Table 4.03 Number and Percent of Births by Educational Level and Race/Ethnicity of Mother

Education Level of Mother	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<6 th Grade	39	0.1	977	3.4	52	2.0	2	0.1	0	0	14	0.7	0	0	1,084	1.7
6 th - 11 th Grade	2,238	8.3	14,278	50.0	499	19.4	535	30.6	40	38.5	128	6.3	14	7.7	17,732	28.5
HS Diploma	6,891	25.5	7,829	27.4	935	36.3	539	30.8	25	24.0	402	19.9	28	15.5	16,649	26.8
College+	17,742	65.6	5,199	18.2	1,055	40.9	653	37.4	39	37.5	1,459	72.2	36	19.9	26,183	42.1
Unknown	137	0.5	262	0.9	37	1.4	19	1.1	0	0	17	0.8	103	56.9	575	0.9
Total	27,047		28,545		2,578		1,748		104		2,020		181		62,223	

Maricopa County 2005 Natality (Birth) Statistics

Table 4.04 Trimester of First Prenatal Care by Race/Ethnicity of Mother

Trimester of First Prenatal Care	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
First	24,437	90.4	20,327	71.2	2,001	77.6	1,346	77.0	80	76.9	1,796	88.9	103	56.9	50,090	80.5
Second	2,038	7.5	6,139	21.5	434	16.8	277	15.8	19	18.3	176	8.7	24	13.3	9,107	14.6
Third	352	1.3	1,239	4.3	77	3.0	73	4.2	3	2.9	30	1.5	23	12.7	1,797	2.9
None	210	0.8	833	2.9	60	2.3	48	2.7	2	1.9	17	0.8	23	12.7	1,193	1.9
Unknown	10	0.0	7	0.0	6	0.2	4	0.2	0	0	1	0.0	8	4.4	36	0.1
Total	27,047		28,545		2,578		1,748		104		2,020		181		62,223	

Table 4.05 Number and Percent of Prenatal Care Visits by Race/Ethnicity of Mother

Number of Prenatal Care Visits	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	210	0.8	833	2.9	60	2.3	48	2.7	2	1.9	17	0.8	23	12.7	1,193	1.9
1 to 4	419	1.5	1,425	5.0	116	4.5	121	6.9	5	4.8	39	1.9	22	12.2	2,147	3.5
5 to 8	2,795	10.3	5,927	20.8	467	18.1	383	21.9	20	19.2	231	11.4	36	19.9	9,859	15.8
9 to 12	15,728	58.2	13,781	48.3	1,316	51.0	853	48.8	51	49.0	1,245	61.6	64	35.4	33,038	53.1
13 to 16	6,599	24.4	5,827	20.4	464	18.0	277	15.8	23	22.1	420	20.8	26	14.4	13,636	21.9
17 or More	1,282	4.7	731	2.6	148	5.7	65	3.7	3	2.9	66	3.3	1	0.6	2,296	3.7
Unknown	14	0.1	21	0.1	7	0.3	1	0.1	0	0	2	0.1	9	5.0	54	0.1
Total	27,047		28,545		2,578		1,748		104		2,020		181		62,223	

**Table 4.06 Adequacy of Prenatal Care by Race/Ethnicity of Mother
Singleton Births Only**

Adequacy of Prenatal Care	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Inadequate	1,700	6.5	5,795	20.8	413	16.6	295	17.3	17	16.3	149	7.5	63	36.8	8,432	13.9
Intermediate	3,321	12.7	4,644	16.6	350	14.1	351	20.5	20	19.2	253	12.8	21	12.3	8,960	14.8
Adequate	14,526	55.7	11,159	40.0	1,089	43.7	730	42.7	52	50.0	1,106	55.9	55	32.2	28,717	47.5
Adequate Plus	6,521	25.0	6,283	22.5	631	25.3	328	19.2	15	14.4	470	23.7	27	15.8	14,275	23.6
Information Missing	18	0.1	29	0.1	7	0.3	5	0.3	0	0	2	0.1	5	2.9	66	0.1
Total	26,086		27,910		2,490		1,709		104		1,980		171		60,450	

Maricopa County 2005 Natality (Birth) Statistics

Table 4.07 Birthweight of Infant by Race/Ethnicity of Mother

Birthweight of Infant	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1500 Grams	291	1.1	336	1.2	63	2.4	19	1.1	1	1.0	22	1.1	3	1.7	735	1.2
1500-2499 Grams	1,514	5.6	1,484	5.2	258	10.0	103	5.9	4	3.8	140	6.9	15	8.3	3,518	5.7
2500-4249 Grams	24,327	89.9	25,925	90.8	2,224	86.3	1,546	88.4	96	92.3	1,825	90.3	156	86.2	56,099	90.2
>4249 Grams	914	3.4	799	2.8	33	1.3	79	4.5	3	2.9	33	1.6	5	2.8	1,866	3.0
Unknown	1	0.0	1	0.0	0	0	1	0.1	0	0	0	0	2	1.1	5	0.0
Total	27,047		28,545		2,578		1,748		104		2,020		181		62,223	

Table 4.08 Preterm Births (Less than 37 Weeks Gestation) by Race/Ethnicity of Mother

Gestational Estimate	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<37 Weeks Gestation	2,964	11.0	2,976	10.4	420	16.3	205	11.7	12	11.5	206	10.2	21	11.6	6,804	10.9
≥37 Weeks Gestation	24,076	89.0	25,565	89.6	2,156	83.6	1,542	88.2	92	88.5	1,814	89.8	151	83.4	55,396	89.0
Unknown	7	0.0	4	0.0	2	0.1	1	0.1	0	0	0	0	9	5.0	23	0.0
Total	27,047		28,545		2,578		1,748		104		2,020		181		62,223	

Maricopa County Natality (Birth) Statistics

Table 4.09 Number and Percent of Births by Marital Status and Age Group of Mother

Marital Status of Mother	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Married	1	0.8	981	13.8	6,947	42.4	11,510	65.8	10,578	77.4	4,964	80.3	934	76.7	62	78.5	0	0	35,977	57.8
Single	117	99.2	6,096	85.9	9,246	56.4	5,770	33.0	2,932	21.5	1,129	18.3	266	21.9	17	21.5	1	100.0	25,574	41.1
Refused	0	0	11	0.2	144	0.9	153	0.9	113	0.8	68	1.1	12	1.0	0	0	0	0	501	0.8
Divorced	0	0	1	0.0	13	0.1	18	0.1	21	0.2	9	0.1	2	0.2	0	0	0	0	64	0.1
Unknown	0	0.0	5	0.1	34	0.2	31	0.2	22	0.2	12	0.2	3	0.2	0	0.0	0	0.0	107	0.2
Total	118		7,094		16,384		17,482		13,666		6,182		1,217		79		1		62,223	

Table 4.10 Number and Percent of Births by Educational Level and Age Group of Mother

Educational Level of Mother	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<6 th Grade	1	0.8	69	1.0	283	1.7	319	1.8	243	1.8	119	1.9	47	3.9	3	3.8	0	0	1,084	1.7
6 th -11 th Grade	116	98.3	4,453	62.8	5,315	32.4	4,231	24.2	2,472	18.1	952	15.4	187	15.4	5	6.3	1	100.0	17,732	28.5
HS Diploma	0	0	2,109	29.7	5,971	36.4	4,582	26.2	2,596	19.0	1,152	18.6	225	18.5	14	17.7	0	0	16,649	26.8
College+	0	0	394	5.6	4,657	28.4	8,195	46.9	8,259	60.4	3,896	63.0	732	60.1	50	63.3	0	0	26,183	42.1
Unknown	1	0.8	69	1.0	158	1.0	155	0.9	96	0.7	63	1.0	26	2.1	7	8.9	0	0	575	0.9
Total	118		7,094		16,384		17,482		13,666		6,182		1,217		79		1		62,223	

Table 4.11 Trimester of First Prenatal Care by Age Group of Mother

Trimester of First Prenatal Care	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
First	61	51.7	4,718	66.5	12,461	76.1	14,527	83.1	11,853	86.7	5,392	87.2	1,013	83.2	65	82.3	0	0	50,090	80.5
Second	40	33.9	1,806	25.5	2,912	17.8	2,228	12.7	1,380	10.1	585	9.5	147	12.1	8	10.1	1	100.0	9,107	14.6
Third	13	11.0	353	5.0	624	3.8	423	2.4	240	1.8	108	1.7	34	2.8	2	2.5	0	0	1,797	2.9
None	4	3.4	211	3.0	379	2.3	294	1.7	186	1.4	93	1.5	22	1.8	4	5.1	0	0	1,193	1.9
Unknown	0	0	6	0.1	8	0.0	10	0.1	7	0.1	4	0.1	1	0.1	0	0	0	0	36	0.1
Total	118		7,094		16,384		17,482		13,666		6,182		1,217		79		1		62,223	

Maricopa County Natality (Birth) Statistics

Table 4.12 Number and Percent of Prenatal Care Visits by Age Group of Mother

Number of Prenatal Care Visits	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	4	3.4	211	3.0	379	2.3	294	1.7	186	1.4	93	1.5	22	1.8	4	5.1	0	0	1,193	1.9
1 to 4	14	11.9	433	6.1	682	4.2	539	3.1	297	2.2	137	2.2	41	3.4	4	5.1	0	0	2,147	3.5
5 to 8	27	22.9	1,693	23.9	2,979	18.2	2,481	14.2	1,747	12.8	755	12.2	166	13.6	10	12.7	1	100.0	9,859	15.8
9 to 12	48	40.7	3,383	47.7	8,530	52.1	9,422	53.9	7,579	55.5	3,401	55.0	640	52.6	35	44.3	0	0	33,038	53.1
13 to 16	24	20.3	1,210	17.1	3,277	20.0	4,075	23.3	3,264	23.9	1,483	24.0	281	23.1	22	27.8	0	0	13,636	21.9
17 or More	1	0.8	153	2.2	521	3.2	657	3.8	585	4.3	309	5.0	66	5.4	4	5.1	0	0	2,296	3.7
Unknown	0	0	11	0.2	16	0.1	14	0.1	8	0.1	4	0.1	1	0.1	0	0	0	0	54	0.1
Total	118		7,094		16,384		17,482		13,666		6,182		1,217		79		1		62,223	

**Table 4.13 Adequacy of Prenatal Care by Age Group of Mother
Singleton Births Only**

Adequacy of Prenatal Care	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Inadequate	46	39.0	1,670	23.9	2,748	17.1	2,066	12.2	1,213	9.2	539	9.2	137	11.8	12	19.4	1	100.0	8,432	13.9
Intermediate	16	13.6	1,163	16.7	2,425	15.1	2,469	14.5	1,866	14.1	858	14.6	156	13.5	7	11.3	0	0	8,960	14.8
Adequate	30	25.4	2,762	39.6	7,228	45.0	8,359	49.2	6,818	51.6	2,979	50.6	520	44.9	21	33.9	0	0	28,717	47.5
Adequate Plus	26	22.0	1,373	19.7	3,634	22.6	4,076	24.0	3,296	25.0	1,505	25.6	343	29.6	22	35.5	0	0	14,275	23.6
Information Missing	0	0	14	0.2	19	0.1	18	0.1	9	0.1	5	0.1	1	0.1	0	0	0	0	66	0.1
Total	118		6,982		16,054		16,988		13,202		5,886		1,157		62		1		60,450	

Maricopa County Natality (Birth) Statistics

Table 4.14 Birthweight of Infant by Age Group of Mother

Birthweight of Infant	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1500 Grams	4	3.4	96	1.4	168	1.0	215	1.2	147	1.1	83	1.3	21	1.7	1	1.3	0	0	735	1.2
1500-2499 Grams	10	8.5	430	6.1	950	5.8	899	5.1	728	5.3	407	6.6	83	6.8	11	13.9	0	0	3,518	5.7
2500-4249 Grams	102	86.4	6,461	91.1	14,884	90.8	15,796	90.4	12,262	89.7	5,464	88.4	1,065	87.5	64	81.0	1	100.0	56,099	90.2
>4249 Grams	2	1.7	106	1.5	382	2.3	570	3.3	528	3.9	228	3.7	47	3.9	3	3.8	0	0	1,866	3.0
Unknown	0	0	1	0.0	0	0	2	0.0	1	0.0	0	0	1	0.1	0	0	0	0	5	0.0
Total	118		7,094		16,384		17,482		13,666		6,182		1,217		79		1		62,223	

Table 4.15 Preterm Births (Less than 37 Weeks Gestation) by Age Group of Mother

Gestational Estimate	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<37 Weeks Gestation	20	16.9	770	10.9	1,729	10.6	1,843	10.5	1,441	10.5	777	12.6	207	17.0	17	21.5	0	0	6,804	10.9
≥37 Weeks Gestation	98	83.1	6,323	89.1	14,649	89.4	15,633	89.4	12,217	89.4	5,404	87.4	1,009	82.9	62	78.5	1	100.0	55,396	89.0
Unknown	0	0	1	0.0	6	0.0	6	0.0	8	0.1	1	0.0	1	0.1	0	0	0	0	23	0.0
Total	118		7,094		16,384		17,482		13,666		6,182		1,217		79		1		62,223	

Maricopa County 2005 Natality (Birth) Statistics

Table 4.16 Comparisons to Arizona, U.S. and Health People 2010 Goals for Selected Natality Measures

		Maricopa County 2005		Arizona 2005	U.S. 2004	Healthy People 2010 Goal
		Number of Individuals	Rate or Percent			
Unlinked Infant Mortality – Rate per 1,000 live births	Neo-natal	253	4.1	4.4	4.5	2.9
	Post-natal	129	2.1	2.4	2.3	1.2
	Total	382	6.1	6.8	6.8	4.5
Low birthweight births (< 2500g) – Percent of live births		4,253	6.8%	6.9%	8.1%	5.0%
Births to teen mothers – Percent of live births	10-14 Years Old	118	0.2%	0.2%	0.2%	-
	15-17 Years Old	2,582	4.1%	4.4%	3.3%	-
	15-19 Years Old	7,094	11.4%	12.3%	10.1%	-
	<u>Total</u> 10-19 Years Old	7,212	11.6%	12.5%	10.3%	-

V. Technical Notes

Population Statistics

Population statistics are shown in Tables **1.01** and **1.02**. This report used the most recent U.S. Census data and estimates for population figures at the time of analysis.

- The Maricopa County population is from the U.S. Census Bureau, County Population Estimates by Age, Sex, Race and Hispanic Origin for July 1, 2005, released August 4, 2006. This is at <http://www.census.gov/popest/counties/files/CO-EST2005-ALLDATA.csv>

The population figures in this report may differ from figures in previous Maricopa County Department of Public Health (MCDPH) and other reports in two ways. First, some reports use Arizona Department of Economic Security (ADES) or MCDPH estimates for population data. Second, some reports may use the first published estimates by the 2000 U.S. Census. This report uses the most recent U.S. Census population figures and estimates for 2005. For a complete explanation on how the most recent U.S. Census data differ from the first published U.S. Census data, see the following: “2000 Census of Population and Housing, Notes and Errata” at www.census.gov/prod/cen2000/notes/errata.pdf.

This report defines “Hispanic” as: all respondents listing Hispanic, either alone or in combination with any race that do not identify themselves as American Indian or Alaska Native. This report separates the American Indian population by ethnicity (Hispanic, Non-Hispanic). The table below shows how the U.S. Census variables of “origin” and “race” are used for categorization in this report.

Table 5.1 Race/Ethnicity Categories Used in This Report		
Category Used in This Report	U.S. Census Code “Race”	U.S. Census Code “Origin”
White	Race=1 (White Alone)	Origin=1 (Non-Hispanic)
African American	Race=2 (Black Alone)	Origin=1 (Non-Hispanic)
American Indian, Non-Hispanic	Race=3 (American Indian or Alaska Native Alone)	Origin=1 (Non-Hispanic)
American Indian, Hispanic	Race=3 (American Indian or Alaska Native Alone)	Origin=2 (Hispanic)
Asian	Race=4 (Asian Alone) or 5 (Native Hawaiian or Other Pacific Islander Alone)	Origin=1 (Non-Hispanic)
Other	Race=6 (Two or More Races)	Origin=1 (Non-Hispanic)
Hispanic	Race=1,2,4,5,6	Origin=2 (Hispanic)

Mortality (Death) Statistics

Mortality (death) statistics are shown in Tables **2.01a** through **2.14**. Any crude death rate can be calculated by taking the number of deaths from any mortality table in this report and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** and **1.02**. In tables where rates are shown, “0” means there were no cases/deaths in that category. However, when the number “0.0” is shown, it means that there were fewer than .05 deaths per 100,000 residents.

All data on mortality statistics are from the Arizona Department of Health Services (ADHS) final annual files. The Maricopa County mortality data are from death certificates for Maricopa County residents only. This includes Maricopa County residents who died in Maricopa County and residents who died elsewhere. Non-Maricopa County residents who died in Maricopa County are not included.

In the course of routine data cleaning, duplicate mortality records were identified. Five duplicated records have been deleted from the mortality records in 2005. As a result of these deletions, the numbers presented in this report may not match those presented by ADHS for Maricopa County.

For both mortality and morbidity (communicable disease), rates for some racial/ethnic populations such as American Indians, Asians, and African Americans are high compared to other groups. Because these groups have relatively small populations in Maricopa County (under 150,000 residents as shown in Tables **1.01** and **1.02**), these high rates may represent very few deaths/cases. Among small populations, rates are less stable so one case or death can cause a big increase or decrease in the rates. Therefore, it is advisable to examine the raw number of cases or deaths, in addition to the rates.

In Tables **2.03a** through **2.05b**, unintentional injury deaths can be found by adding two categories – “motor vehicle collisions” and “all other accidents and adverse effects.” The total for unintentional injuries in this report is higher than the figure reported by ADHS because deaths from “complications of medical and surgical care” are included in this report. This convention follows the national model for classifying unintentional injuries. “Complications of medical and surgical care” include deaths from medical devices, adverse effects related to correct doses of therapeutic medications, and misadventures to patients during surgical or medical care (ICD-10 Y40-Y84, Y88). The only exceptions to this method are in Tables **2.13** and **2.14**, where unintentional injury deaths do not include complications of medical/surgical care. This change makes the numbers comparable to Healthy People 2010 goals.

Tables **2.01b**, **2.02b**, **2.03b**, **2.04b**, **2.06b**, and **2.07b** do not provide a rate for the categories labeled “Unknown Age” or “Unknown Race/Ethnicity.” This is because there is no denominator to use for calculating the rate as the U.S. Census does not report any data on “unknown age” or “unknown race/ethnicity.”

Unless otherwise noted, all deaths are attributed to one underlying condition, based on death certificate information, using the rules of the International Classification of Diseases. Causes of death are classified by ICD-10 codes. The codes used for each category are listed in Table **5.2** below.

Firearm, drug, and alcohol induced deaths are also included in a number of other categories, such as suicide, homicide, unintentional injury, etc. For example, a firearm induced death may also be classified as a suicide, homicide, or “other accident or adverse effect.” An alcohol induced death may be attributed to a long or short term effect of alcohol, such as acute alcohol intoxication or alcoholic cardiomyopathy.

Tables **2.06a** through **2.08b** show deaths resulting directly (induced) and indirectly (related) from firearms, drugs, and alcohol. Drugs include prescription medications and illegal substances, regardless of whether use was recreational or medicinal. Tobacco is considered a drug by the

National Center for Health Statistics (NCHS). Since tobacco is not often considered to be a drug in the colloquial sense, drug-related deaths are listed both with and without tobacco-related deaths.

Induced deaths refer to cases in which the use of a firearm, drug, or alcohol contributed directly to the cause of death, i.e., death due to an overdose of drugs, or a fatal gunshot injury. Related deaths refer to cases in which the use of a drug or alcohol was listed on the death certificate, but the substance was not necessarily involved in the final cause of death, i.e., death due to dehydration resulting from environmental exposure, with chronic drug use noted elsewhere on the certificate.

Related causes of deaths are counted using multiple cause of death (MCD) data supplied by ADHS with the final annual mortality files.

Table 5.2 ICD-10 Codes Used for This Report

Cause	ICD-10 Codes Used (2001-2005)
Tuberculosis	A16-A19
Syphilis	A50-A53
HIV Disease	B20-B24
Malignant Neoplasms (Cancer)	C00-C97
Malignant Neoplasm of the Stomach	C16
Malignant Neoplasm of the Colon	C18-C21
Malignant Neoplasm of the Pancreas	C25
Malignant Neoplasm of Bronchus, Lung, or Trachea	C33-C34
Malignant Neoplasm of the Breast	C50
Malignant Neoplasm of the Uterus, Cervix, Ovary	C53-C56
Malignant Neoplasm of the Prostate	C61
Malignant Neoplasm of Urinary Organs	C64-C68
Non-Hodgkins Lymphoma	C82-C85
Leukemia	C91-C95
Other Malignant Neoplasms	C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-97
Diabetes	E10-E14
Alzheimer's	G30
Major Cardiovascular Disease	I00-I78
Disease of Heart	I00-I09, I11, I13, I20-I51
Hypertensive Heart Disease	I11, I13
Ischemic Heart Disease	I20-I25
Other Heart Disease	I00-I09, I26-I51
Coronary Heart Disease	I11, I20-I25
Primary Hypertension	I10, I12
Cerebrovascular Diseases	I60-I69
Atherosclerosis	I70
Other Circulatory	I71-I78
Influenza & Pneumonia	J10-J18
Chronic Lower Respiratory	J40-J47

(Table Continues)

(Table 5.2, Continued)

Cause	ICD-10 Codes Used (2001-2005)
Asthma	J45-J46
Peptic Ulcer	K25-K28
Liver Disease, including chronic liver disease, cirrhosis, alcoholic liver disease, and other chronic liver disease	K70, K73-K74
Nephritis, nephritic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Pregnancy, childbirth, and the puerperium	O00-O99
Perinatal Conditions	P00-P96
Congenital Malformations	Q00-Q99
SIDS (Sudden Infant Death Syndrome)	R95
Ill Defined Disease Conditions (Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified, excluding SIDS)	R00-R94, R96-R99
All Other Diseases	A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98
Motor Vehicle Collisions	V02-V04, V09.0, V09.2, V12-V14, V19.0 - V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0 V89.2
All Other Accidents & Adverse Effects	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9 V90-X29, X31-X59, Y40-Y86, Y88
Falls	W00-W19
Excessive Exposure to Natural Heat	X30
Accidental Poisoning	X40-X49
Accidental Drowning (Excludes drowning involving water transportation)	W65-W74
Suicide	U03, X60-X84, Y87.0
Homicide	U01-U02, X85-Y09, Y87.1
All Other External Causes	Y10-Y36, Y87.2, Y89
Unknown Causes	No ICD code listed
Firearm Related	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0
Drug Induced or Related	F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.8, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14
Alcohol Induced or Related	F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15

Tables **2.13** and **2.14** show age-adjusted rates for Maricopa County. Age-adjusting removes the effect of a disproportionately large young or old population on crude death rates by computing an overall death rate based on a population with a standard age distribution. Maricopa County rates are age-adjusted to the 2000 standard population using the direct method described in *Health, United States, 2002* published by the National Center for Health Statistics at [www.cdc.gov/nchs/data/02.pdf](http://www.cdc.gov/nchs/data/hus/02.pdf), p.414. Arizona, Healthy People goals, and U.S. rates included in this report are published as age-adjusted to the 2000 standard population by the agencies generating the rates.

Comparison death rates for Arizona, shown in Table **2.14**, can be found in *Arizona Health Status and Vital Statistics 2005*, published by the ADHS at <http://www.azdhs.gov/plan/report/ahs/ahs2005/toc05.htm>. Figures for the U.S. are preliminary 2004 data for the following categories: heart disease, cancers, cerebrovascular disease, unintentional injuries, pneumonia and influenza, diabetes, suicide, and all causes combined. These data can be found at: cdc.gov/nchs/data/hestat/preliminarydeaths05_tables.pdf#2. All other U.S. mortality data are final 2003 data from National Vital Statistics Reports, Vol 54, no. 13, April 19, 2006. These data are at www.cdc.gov/nchs/data/nvsr/nvsr54/nvsr54_13.pdf.

Healthy People 2010 Goals are set by the Department of Health and Human Services and may be found at www.healthypeople.gov/Document/tableofcontents.htm. For Table **2.14**, the mortality rate for breast cancer is calculated among women only (using only female residents in the denominator). For Tables **2.03b**, **2.04b**, **2.05b**, and **2.14**, prostate cancer rates are calculated among men only (using only male residents in the denominator), and uterine & ovarian cancer rates are calculated among women only. In all other tables, and for all other diseases, the total population is used for the denominator for both conditions.

Communicable Disease (Morbidity) Statistics

Communicable disease statistics are shown in Tables **3.01a** through **3.04**. Any morbidity rate except for Streptococcal Group B Invasive disease can be calculated by taking the number of cases from any communicable disease table in this report and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** and **1.02**. Because Streptococcal Group B Invasive disease is only reportable in infants under 90 days, these numbers are divided by the number of live births, to produce a rate per 1,000 live births.

The Maricopa County morbidity data are for Maricopa County residents only. This includes Maricopa County residents who acquired a disease in Maricopa County and residents who acquired a disease elsewhere. Non-Maricopa County residents are not included, even if they acquired a disease in Maricopa County. Other reports may show different morbidity rates because they include non-residents who acquired disease in Maricopa County or they exclude residents who were exposed outside of the county. For example, MCDPH Health Status Reports show six residents with West Nile virus (WNV) in 2003. Two of these cases acquired WNV outside of Maricopa County, the other four cases were acquired locally. Other reports and press releases may focus on only the locally acquired WNV cases, regardless of the residency status of the cases. For Hansen's disease only, tables include residents from various counties in Arizona, regardless of where the disease was acquired.

Communicable disease data are from the ADHS final annual files with several exceptions: data on West Nile virus, hepatitis C, genital herpes, gonorrhea, chlamydia, syphilis, and Hansen's disease are from MCDPH. Because the MCDPH communicable disease database is continuously updated, the data for hepatitis C and West Nile virus can change somewhat over time. Hepatitis C data for 2005 used in this report were generated on October 31, 2006 for confirmed, acute and chronic, physician-reported cases among Maricopa County residents. West Nile virus data for 2005 used in this report were generated on November 15, 2006 for all confirmed cases among Maricopa County residents.

In previous Health Status Reports, hepatitis B data were also obtained from the MCDPH. However, there have been a number of issues contributing to unreliable Hepatitis B data. Therefore, this report uses hepatitis B data for acute cases from ADHS.

Data on tuberculosis, STDs, HIV, and AIDS may differ from other reports published by MCDPH and ADHS. Data on these diseases are in databases that may have been updated during the time between reports. HIV/AIDS data for Maricopa County are from October 27, 2006 and were provided to MCDPH for this report. Primary and secondary syphilis is shown as "Syphilis-Prim. and Sec". The "Syphilis - All others" category includes latent and congenital syphilis. These two categories can be added to determine the total number of syphilis cases. Syphilis data were generated on February 23, 2006.

Morbidity data include only confirmed cases, with the exception of Hansen's disease. Data for Hansen's disease includes all confirmed, suspect, and probable cases diagnosed in Maricopa County, including diagnoses to non-county residents. All communicable disease statistics in this report are new cases for each specified year (incidence). The only exception is Hansen's disease for which the prevalence (all existing cases from all years) is shown. The figures presented for Hansen's disease differ from previous years due to the addition of several cases diagnosed in previous years but only recently available.

Morbidity data for hepatitis C and West Nile Virus are classified by the earliest date in the record. The earliest date may be date of onset, date of diagnosis, or date of report. HIV, AIDS, and Hansen's disease data are classified by date of diagnosis. All other data are classified by date of report.

The category "Encephalitis Viral" includes St. Louis encephalitis and all other types of viral encephalitis except for West Nile virus. This may differ somewhat from other reports that include only certain types of encephalitides.

In Tables **3.01a** through **3.03b**, the category labeled "All Others" includes all reportable diseases in the ADHS communicable disease database that are not listed previously on the table.

In Table **3.04**, comparison morbidity rates for Arizona can be found in *Arizona Health Status and Vital Statistics 2005*, www.azdhs.gov/plan/report/ahs/ahs2005/toc05.htm. The rates for HIV and AIDS for Arizona were provided directly from ADHS on November 22, 2006. All U.S. rates are for 2003 and may be found at www.cdc.gov/mmwr/preview/mmwrhtml/mm5353a1.htm. Healthy People 2010 Goals are set by the Department of Health and Human Services and may be found at www.healthypeople.gov/Document/tableofcontents.htm.

Natality (Birth) Statistics

Natality (birth) statistics are shown in Tables **4.01** through **4.16**.

In the course of routine data cleaning, duplicate natality records were identified. One duplicated record has been deleted from the natality records in 2005. As a result of this deletion, the numbers presented in this report may not match those presented by ADHS for Maricopa County.

Infant mortality statistics shown in Table **4.16** are from unlinked data as indicated, and the table shows comparisons to Arizona and the U.S. U.S. data are preliminary for 2004, from the National Center for Health Statistics. Infant mortality data for the U.S. can be found in *Deaths: Final Data for 2004*, National Vital Statistics Reports at <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/finaldeaths04/finaldeaths04.htm>. U.S. data for low birthweight births and births to teen mothers can be found in *Births: Final Data for 2004*, National Vital Statistics Reports, http://www.cdc.gov/nchs/data/nvsr/nvsr55/nvsr55_01.pdf. U.S. Data for births to teen mothers can be found in *Births: Preliminary Data for 2005*, National Vital Statistics Reports, http://www.cdc.gov/nchs/data/hestat/prelimbirths05_tables.pdf#2. Arizona

figures for 2005 can be found in *Arizona Health Status and Vital Statistics 2005*, published by the ADHS at www.azdhs.gov/plan/report/ahs/ahs2005/toc05.htm. An explanation of unlinked infant mortality data is presented below.

The natality percentages for older and younger maternal age groups (under 15 and over 45) may be high compared to other groups. These groups have relatively small populations in Maricopa County. Although percentages may be high, they may represent only one or two cases in a given category. Therefore, it is advisable to check the raw numbers.

Adequate prenatal care is based on the Adequacy of Prenatal Care Utilization Index (APCUI)¹. This index considers both the timing of prenatal care initiation and the number of visits after care was initiated, comparing the number of actual visits to the number of visits recommended by the American College of Obstetricians and Gynecologists. This index does not describe the quality of the care or adjust for maternal risk factors. Only singleton births are shown in these tables because twins and higher order births are typically higher risk pregnancies, and the index is not appropriate for summarizing their prenatal care usage.

- a) Inadequate: Prenatal care began after the fourth month of pregnancy or less than 50% of the expected prenatal care visits were attended
- b) Intermediate: Prenatal care began before the fourth month and 50 to 70% of the expected visits were attended
- c) Adequate: Prenatal care began prior to the fourth month and 80-109% of expected visits were attended
- d) Adequate plus: Prenatal care began prior to the fourth month of pregnancy and 110% or more of the expected visits were attended

The following definitions related to reproductive health have been established by NCHS²:

- Birth or Live Birth – The complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy or birthweight which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.
- Birth Rate – Number of live births during a calendar year per 1,000 population.
- Births to Teenage Mothers – Live births occurring to females under age twenty.
- Birth Weight – The weight of a neonate determined immediately after delivery or as soon thereafter as possible.
- Low Birthweight – Any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).
- Very Low Birthweight – Any neonate weighing less than 1,500 grams at births (less than 3 pounds, 4 ounces).
- Preterm – Any neonate whose birth occurs through the end of the last day of the 37th week (259th day), following onset of the last menstrual period.
- Infant Death – Any death at any time from birth up to, but not including, the first year of age (<365 days).
- Infant Mortality Rate – Number of infant deaths per 1,000 live births.

¹ Kotelchuck, M. An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index, *American Journal of Public Health*, 1994; 84(9):1414-1420.

² NCHS guidelines were adopted from those established by the World Health Organization (WHO).

- Neonatal Mortality Rate – Number of deaths to infants under 28 days of age, per 1,000 live births.
- Postnatal (Postneonatal) Mortality Rate – Number of deaths to infants between 28 days and 365 days after birth, per 1,000 live births.
- Unlinked Infant Mortality – The number of infant deaths in a given calendar year, as determined from mortality records.
- Linked Infant Mortality – Whenever possible, infant death certificate data are linked to birth certificate information to determine parental, demographic and birth data. Not all infant deaths can be linked (up to 3% are lost to follow-up).

Healthy People 2010 Goals

The Centers for Disease Control and Prevention provide national health goals for the year 2010 – Healthy People (HP) 2010 goals. Some of these goals are shown in Tables **2.14**, **3.04**, and **4.16**. A hyphen indicates that no goal has been set for that indicator or the goal is not comparable to Maricopa County data. “0” indicates that the goal is zero.

This report provides HP 2010 Goals only when the goals are comparable to Maricopa County data. A goal is considered comparable in this report if two conditions exist:

- First, the HP Goal must include the same conditions as are included in the Maricopa County data. For example, if the Maricopa County figure for heart disease includes all heart disease but the HP 2010 goal includes only coronary heart disease, the goal is not listed as a comparison to the heart disease rate.
- Second, the nationally tested “conversion ratio” between ICD-9 and ICD-10 codes for any given condition must fall between certain boundaries. The conversion ratio measures how closely the two classifications resemble each other. A conversion ratio of “1” means that the ICD-9 codes are equivalent to the ICD-10 codes for that category. Because the HP 2010 goals use ICD-9 codes and the Maricopa County 2005 data use ICD-10 codes, they may or may not be comparable. Therefore, if the conversion ratio is between 0.95 and 1.05, a direct comparison is made with no mention of any differences. If the ratio does not meet this requirement, but is between 0.80 and 1.20, the potential bias is mentioned in the report, along with specifying the direction of the bias. A ratio that exceeds the .80 to 1.20 range is not used for comparisons. The conversion ratios are from *Deaths: Final Data for 1999*, National Vital Statistics Reports, Volume 49:8, National Center for Health Statistics.

More information on the technical aspects of HP 2010 can be found at www.healthypeople.gov/document/tableofcontents.htm#tracking.

More Information

For more information on population and health statistics, please visit the following websites:

- Maricopa County Department of Public Health: http://www.maricopa.gov/Public_Health/
- Arizona Department of Health Services: www.hs.state.az.us
- Centers for Disease Control and Prevention, National Center for Health Statistics: www.cdc.gov/nchs
- Department of Economic Security: www.de.state.az.us